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STATE OF ALASKA
Bill Sheffield, Governor



AGE, SEX, AND SIZE OF CHUM SALMON (Oncorhynchus keta Walbaum)
FROM CATCHES AND ESCAPEMENTS IN SOUTHEASTERN ALASKA, 1984

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May 1986

ALASKA DEPARTMENT OF FISH AND GAME
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Commissioner

ADF&G TECHNICAL DATA REPORTS

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Data presented in these reports is intended to be final, however, some revisions may occasionally be necessary. Minor revision will be made via errata sheets. Major revisions will be made in the form of revised reports.

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Compiled by:

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Juneau, Alaska 99802

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ABSTRACT

A 1984 total commercial harvest of 3.61 million chum salmon (*Oncorhynchus keta*) was reported in Southeastern Alaska, excluding the inside waters of the Yakutat Management Area. Sport and subsistence catches of 3,391 and 1,340 chum salmon, respectively, were also recorded. The majority of commercially caught chum salmon were harvested by purse seine (68%) and gillnet (31%) gear, with smaller catches by hand and power troll gear (< 1%) and fishtraps (< 1%). District 112 recorded the largest commercial catch of chum salmon (0.856 million), followed by District 101 (0.652 million) and District 115 (0.642 million). Chum salmon catches totaling more than 300,000 fish were realized in statistical weeks 8 July - 14 July, 15 July - 21 July, 5 August - 11 August, 19 August - 25 August, and 9 September - 15 September. Four-year-old chum salmon predominated in both purse seine and gillnet catches. From 70% to 92% of the purse seine catch by district and from 79% to 87% of the gillnet catch by district was estimated to be four-year-old fish. Three-year-old fish were next in abundance in the commercial catches, followed by five-year-old fish. Seasonal changes in the age composition was observed in terminal area gillnet catches. The average lengths of a given age and sex were largest in the first statistical weeks of both gillnet and purse seine fisheries and tended to decrease in later weeks. The average length of male chum salmon was greater than that of female chum salmon from the same age class, district, and gear. The estimated age and sex composition of 43 different streams varied. However, four-year-old fish generally were the most abundant. Small but significant differences in average lengths were observed between streams. No consistent pattern in the character of the migratory time densities was found.

KEY WORDS: chum salmon, *Oncorhynchus keta*, commercial harvest, biological sampling, age composition.

INTRODUCTION

Commercial harvest of chum salmon (*Oncorhynchus keta*) began in Southeastern Alaska in 1896 when a catch of 2,938 fish from an unknown locality was reported (Rich and Ball 1933). Chum salmon catches increased through the early 1900's, peaking in 1918 when 9.35 million chum salmon were harvested. Catches remained relatively large from 1920 to 1950, averaging 4.65 million fish annually. However, from the early 1950's to present, catches have declined precipitously (Figure 1). The average harvest fell to 2.88 million from 1951 to 1960 and to 2.02 million from 1961 to 1970. Although, beginning in the late 1970's, harvest levels of pink (*O. gorbuscha*), sockeye (*O. nerka*), and coho salmon (*O. kisutch*) have increased significantly, chum salmon catches have continued to decrease. The 1974 to 1983 average of 1.08 million fish is less than one-fourth the 1920 to 1950 average catch.

Historically, of the five species of salmon taken commercially in Southeastern Alaska, chum salmon are second in numerical importance. From 1970 to 1983, 65% of the total annual chum salmon commercial catch was harvested by purse seine gear, 34% by drift gill nets, and less than 1% by hand and power troll gear (see ADF&G 1985; for a summary of 1970 to 1985 commercial salmon catches). Floating fish traps, which are restricted to the Annette Island Fishery Reserve, have caught an average of less than 1,000 chum salmon annually. Reported subsistence catches average approximately 5,000 chum salmon and the sport fishery is estimated to harvest from 1,000 to 5,000 chum salmon annually (Mills 1985).

Escapement surveys are conducted in Southeastern Alaska drainages in order to gauge the magnitude of chum salmon escapements. The total number of chum salmon counted annually in all streams surveyed has averaged approximately 650,000 fish from 1960 to 1983. The highest peak chum counts were recorded in the more northerly statistical Districts 112, 114, and 115. These relative escapement indices were based on foot and aerial stream surveys and weir counts. Stream surveys result in an index of relative abundance for the surveyed drainage and have a potential use in interannual or interdrainage comparisons of escapement. Weir counts result in total enumeration and provide migratory timing information on chum salmon which pass the weir.

This report is a synopsis of the 1984 chum salmon season in Southeastern Alaska. Total commercial catch is presented by district, gear, and statistical week. The age and sex composition of fish sampled from the commercial catch is extrapolated to the total commercial catch of chum salmon, resulting in estimates of total district commercial catch by age and sex. Average lengths by age and sex are calculated for each time, area, and gear stratum sampled. Escapement indices are tabulated and age, sex, and length data collected during escapement sampling activities are used to estimate the age, sex, and length composition of chum salmon returns to specified drainages. The migratory timing parameters of populations returning to weired streams are calculated. Data are presented in summarized form in the body of this report; more detailed tables are given in the appendix. Data for the 1982 and 1983 commercial fishing seasons have been presented in a similar format in Clark and McGregor (1983) and Clark et al. (1984).

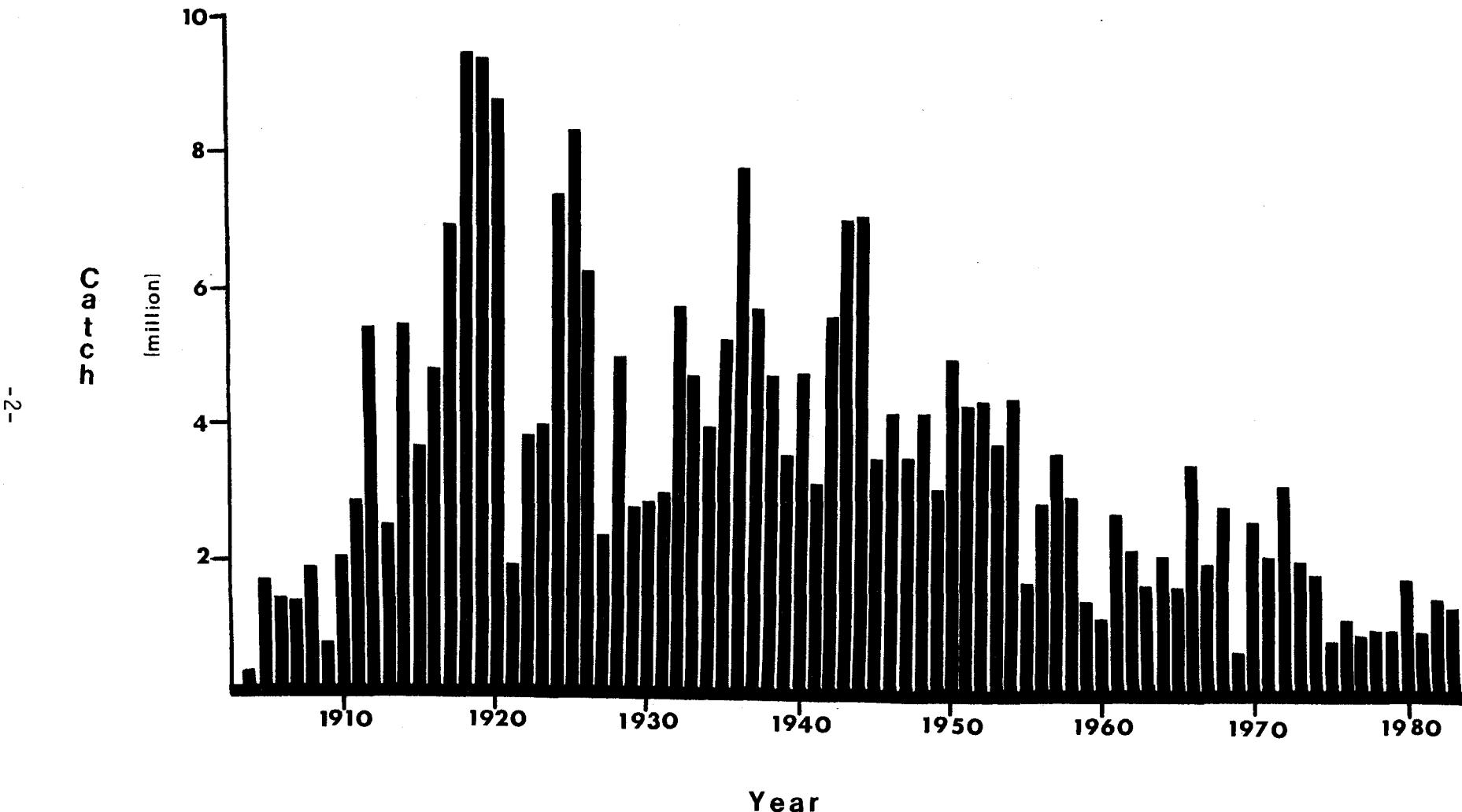


Figure 1. Historical chum salmon commercial harvests in Southeastern Alaska, 1904-1983.

STUDY AREA

The Southeast Region (Region I), excluding the Yakutat Management Area, is defined as both Federal and Alaskan waters between Cape Fairweather on the north and Dixon Entrance on the south. The region is divided into five management areas (Ketchikan, Petersburg, Sitka, Juneau, and Haines) and 19 statistical districts composed of inside Districts 101 to 116 and outside Districts 152, 154, and 157 (Figure 2). Statistical districts are subdivided into geographical units which more accurately reflect discrete assemblages of salmon stocks. Statistical subareas are designated either numerically or alphabetically. This report also includes troll catch data from offshore statistical Districts 181, 183, 186, and 189 (offshore waters from Cape Fairweather to Cape Suckling).

The gillnet fishery is restricted to Districts 101, 106, 108, 111, and 115. Purse seine fisheries occurred in Districts 101 to 107, 109, 110, and 112 to 114. Commercial troll fishing was allowed in all districts. Purse seine catches account for the largest proportion of total Southeastern salmon catches (a 1970 to 1982 average of 81% of the commercial catch of all salmon species was recorded as purse seine harvest) followed by gill net salmon catches (11% of total salmon catch) and hand and power troll catches (8% of total catch). Sport fishing occurs primarily near major population centers in the region. Subsistence fishing is generally conducted near the mouths of rivers and streams throughout the region.

METHODS

The 1984 commercial chum salmon catch was sampled in order to adequately and representatively describe the age and sex composition of the harvest by gear type and district. Troll, subsistence, and sport chum salmon catches were not sampled since they make up only a small percentage of the total chum salmon catch. Escapement samples were obtained at several hatcheries, egg-take sites, weirs, and during foot surveys of several spawning systems. Both catch and escapement samples of chum salmon were sampled for age, sex, and total length (mid-eye to fork of tail, recorded to the nearest 5 millimeters). Scales were taken from the left side of the chum salmon approximately two rows above the lateral line and on the diagonal row downward from the posterior insertion of the dorsal fin. Scales were placed on gum cards and impressions were subsequently made in cellulose acetate cards. Ages are reported in European notation (the first digit in the 2-digit notation is the number of freshwater annuli. The second digit is the number of saltwater annuli. The total age of the fish is the sum of the two digits plus one). Sex was assigned by external morphological characteristics (appearance of snout and belly).

The data were stratified over time by statistical week. A statistical week is a 7-day period beginning at 12:01 AM Sunday and running through 12:00 midnight the following Saturday. Each week of the year is sequentially numbered. Within each district, time strata which were not sampled were grouped with adjacent sampled strata. Standard errors of the proportions were calculated by standard formulas developed from binomial distribution theory. The

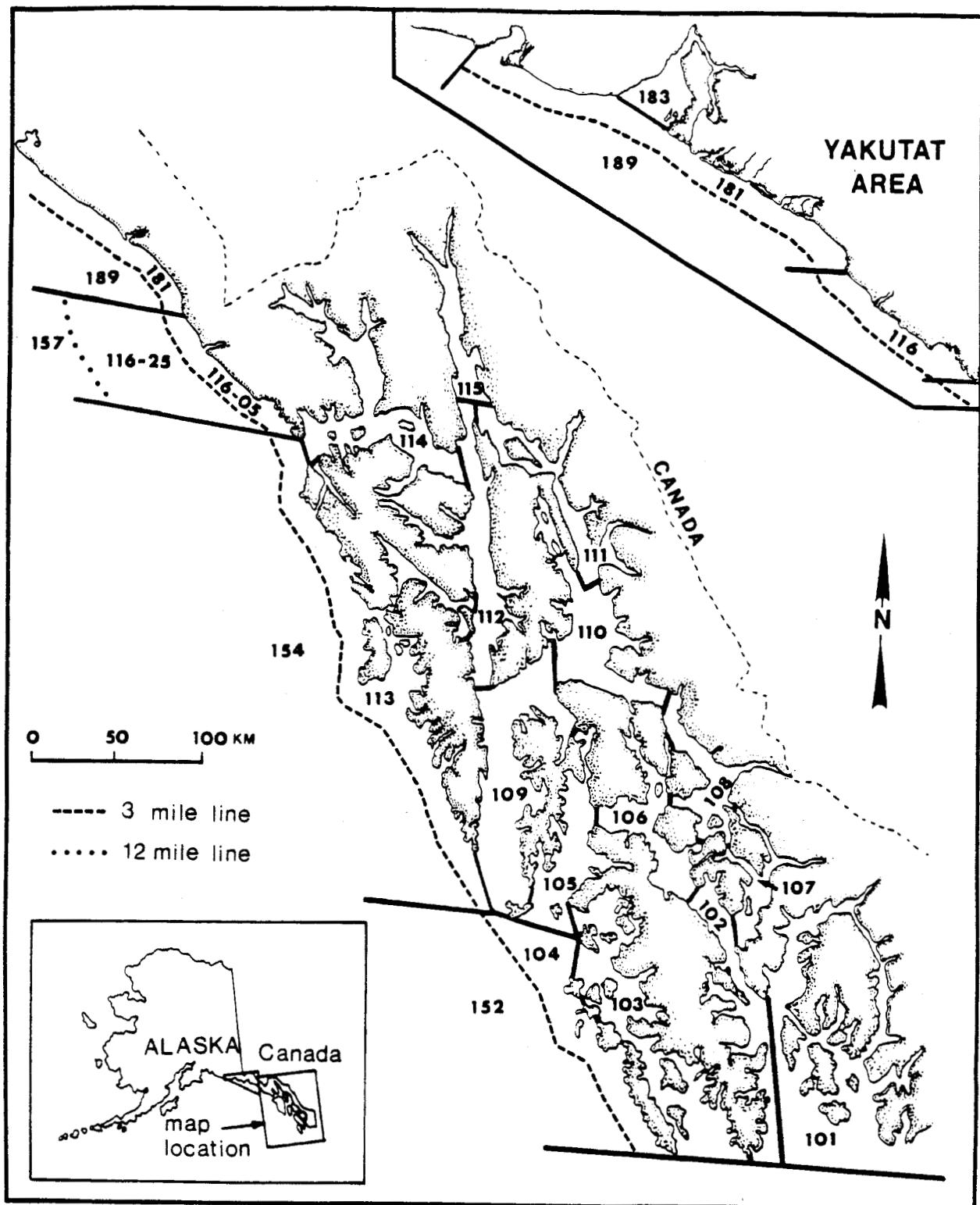


Figure 2. Map of Southeastern Alaska showing the statistical fishing districts.

age distribution and associated standard error of the total commercial catch by district and gear was calculated by weighting the estimated sample age distribution and its standard error for each statistical week by the total commercial catch reported during that same statistical week. Mean length of the sampled chum salmon was calculated by district, statistical week, gear type, age, and sex. If no consistent differences were observed in lengths between statistical weeks, an unweighted mean length and standard error is presented for each district, gear type, age, and sex stratum. The mean and variance of the migratory time density of chum salmon observed passing through weirs was calculated by standard statistical methods. Data were compiled and tables finalized on IBM microcomputers.

Alaskan commercial catch data used in this report were compiled by the Division of Commercial Fisheries, Alaska Department of Fish and Game (ADF&G), and was based on individual fish tickets as of 5 May 1985. Because of the volume of tickets and frequency of both data entry and recording errors, later summaries will differ slightly from those used in this report as more errors are detected and corrected. Therefore, allocation of commercial catches by age, sex, sampling period, district, and gear are accurate but not exact. Sport catch information was obtained from Mills (1985). Subsistence catch information was tabulated from subsistence use permits returned to the ADF&G area offices. All subsistence permits were not returned, however, so that subsistence catch totals listed in this report underestimate the total subsistence harvest from the region.

RESULTS

The estimated age composition and average lengths of commercially harvested chum salmon are presented by gear, district, statistical week, sex, and age (for average lengths) in Appendix Tables 1-34, and for test fishery catches in Appendix Tables 35-42. The age composition and average lengths of samples from 43 different chum salmon populations of Southeastern Alaska and Canadian streams and rivers are tabulated in Appendix Tables 43-125, followed by daily weir counts of 8 drainages (Appendix Tables 126-133). Researchers and managers interested in more detailed age or length summaries are encouraged to reference the Appendix.

In 1984, purse seine gear harvested 2.5 million chum salmon (Table 1). Purse seine chum salmon catches are generally incidental to pink salmon harvests. Since the purse seine fleet targets primarily on pink salmon, management has historically based its decision of which areas and dates to open to purse seine gear on the run strength of various pink salmon stocks. However, increasing production of hatchery facilities will require an increasing number of special time and area openings to harvest excess hatchery chum salmon. In 1984, subdistricts near Hidden Falls Hatchery (District 112) and Neets Bay (District 101), were managed for returning chum salmon of hatchery origin. Purse seine fisheries to specifically harvest fall chum salmon were conducted in District 114 (statistical weeks 34-37 and 39), District 112 (statistical week 40), and District 109 (statistical weeks 37 to 40).

Table 1. Commercial purse seine harvest of chum salmon in Southeastern Alaska by district and statistical week, 1984.

Week Beginning	Stat. Week	District						
		101	101-A ¹	102	103	104	105	106
1 July	27					1,970		
8 July	28	6,265	58	443		7,371		
15 July	29	25,483	202	1,807		11,741		
22 July	30	19,342	2,616	3,193		14,539		
29 July	31	35,602	642	1,395		26,505		
5 Aug.	32	59,505	1,726	13,724	1,795	42,374		
12 Aug.	33	52,930	1,843	18,972	3,878	54,218	26,157	2,836
19 Aug.	34	40,248	3,240	44,172	24,960	35,488	12,950	3,346
26 Aug.	35	87,695	7,299	14,144	39,503	9,363	9,815	543
2 Sept.	36		7,417	32,542			12,891	
9 Sept.	37	95,909	2,003	27,645				
16 Sept.	38			23,223				
23 Sept.	39			22,151				
30 Sept.	40							
Unknown Week		32						
Total		423,011	27,046	203,411	70,136	203,569	61,813	3,346
								3,379

-Continued-

¹ 101-A designates the Annette Island Fishery Reserve.

Table 1. Commercial purse seine harvest of chum salmon in Southeastern Alaska by district and statistical week, 1984 (continued).

Week Beginning	Stat. Week	District					Total
		109	110	112	113	114	
1 July	27			115,240		10,815	128,025
8 July	28			253,415		51,470	319,022
15 July	29		13,209	232,009	2,483	9,079	296,013
22 July	30	6,487	5,791	116,054	2,626		170,648
29 July	31	8,877	8,628	33,405	8,719		123,773
5 Aug.	32	39,413	1,138	41,821	23,827		225,323
12 Aug.	33	90,466		29,217	58,602	647	339,766
19 Aug.	34	34,671		13,603	12,761	17,196	243,178
26 Aug.	35	13,577		1,606	28,770	17,775	229,547
2 Sept.	36			16,441	12,704	21,348	103,343
9 Sept.	37	43,116			6,042	27,983	202,698
16 Sept.	38	19,045					42,268
23 Sept.	39	16,257				5,129	43,537
30 Sept.	40	409		2,542			2,951
Unknown Week							32
Total		272,318	28,766	855,353	156,534	161,442	2,470,124

The largest harvest occurred in District 112 (855,353 chum salmon, or 35% of the total purse seine catch), followed by District 101 (423,011 fish; or 17%) and 109 (272,318 fish; or 11%). Peak catches occurred in statistical weeks 28 (319,022 chum salmon) and 33 (339,766 chum salmon). The early peak was a result of good returns to Hidden Falls Hatchery. The total catch in area 112-11 (the subdistrict nearest Hidden Falls Hatchery) exceeded 0.5 million chum salmon.

Four-year-old (age 03) chum salmon dominated the commercial purse seine catches of all districts (Table 2). The proportion of age 03 chum salmon ranged from 69.6% (District 103) to 91.5% (District 110). With the exception of Districts 105, 112, and 114, 3-year-old (age 02) fish tended to be the second most abundant in the purse seine catches, followed by five-year-olds (age 04). Age 05 chum salmon were a minor component of the commercial catches.

Cursory inspection of average lengths of the purse seine catch by district, age, and sex revealed that chum salmon of the District 101 catch were larger than those of other districts (Table 3). No obvious differences in average length between other districts were found. The average length of male chum salmon was consistently greater than the average female length for the same age and district. The average length of a given age class of chum salmon was greater than the average length of younger chum salmon of the same sex and district. However, the large variability in individual lengths precludes assignment of a given chum salmon of known length and unknown sex and age to an age and sex category. The reader is advised that average lengths are, in part, a result of different stocks passing through the fishery and the sampling effort employed during this passage. Therefore, differences in average lengths should only be considered as indicative of potential differences in size of fish. Appendix tables provide more detailed summaries of the length composition of different weeks and districts.

Gillnet fisheries are generally directed toward sockeye salmon stocks early in the season and towards chum and coho salmon stocks during the later fall fishery openings. District 115 commercial harvest totaled 642,204 chum salmon, or 58% of the total Southeastern Alaska gillnet catch of 1.1 million fish (Table 4). Large catches were also reported for District 101, which recorded a total catch of 227,658 chum salmon. Weekly total gillnet catches were largest during the 9 September to 29 September openings. Catches during these 3 weeks were 2 times or greater than the gillnet catches of other weeks. The District 115 harvest dominated the chum salmon catch statistics for these three weeks.

The age composition of gillnet catches was similar to that of purse seine catches. The majority of the chum salmon harvested in the gillnet fisheries were 4-year-old fish, which totaled from 79% to 87% of the total catch by district (Table 5). The next most abundant age class was age 02 fish, which ranged from 5% to 18% of total catches, followed by age 04 fish, ranging from 2% to 8% of totals. A small number of age 05 fish were caught in Districts 106, 111, and 115 (less than 1%). The age composition of the 1984 gillnet catches differed significantly from those of the 1982 and 1983 gillnet fisheries. In 1982 and 1983, age 03 chum salmon comprised from 45% to 80% of the catches, with age 04 generally being next in abundance (Clark and McGregor 1983; Clark et al. 1984). Also, the relative large diversity of the age composition between districts observed in 1982 and 1983 was not seen in 1984.

Table 2. Summary of age and sex composition of the commercial purse seine catch of chum salmon in Southeastern Alaska, 1984, by district. Standard errors are in parentheses. Percentages are weighted by sampling period commercial catches.

Sex/ Age	District						
	101	101-A ¹	102	103	104	105	106
Male							
02	5.1(0.7)		6.2(1.0)	9.8(3.0)	5.5(0.8)	3.8(0.8)	17.8(2.3)
03	36.9(1.5)		34.3(2.0)	30.4(4.6)	33.9(1.8)	52.2(2.0)	43.9(2.9)
04	1.4(0.4)		2.4(0.6)	2.0(1.4)	2.3(0.6)	3.9(0.8)	0.7(0.5)
05	0.0(0.0)		0.0(0.0)	0.0(0.0)	0.0(0.0)	0.1(0.1)	0.0(0.0)
Female							
02	5.6(0.7)		7.0(1.1)	9.8(3.0)	8.9(1.1)	1.2(0.4)	5.6(1.4)
03	48.7(1.6)		47.7(2.1)	39.2(4.9)	47.2(1.9)	36.0(1.9)	31.4(2.7)
04	2.1(0.5)		2.2(0.7)	8.8(2.8)	2.2(0.5)	2.9(0.6)	0.7(0.5)
05	0.2(0.2)		0.0(0.0)	0.0(0.0)	0.1(0.0)	0.0(0.0)	0.0(0.0)
Both Sexes							
02	10.7(1.0)		13.2(1.5)	19.6(3.9)	14.3(1.3)	5.0(0.9)	23.4(2.5)
03	85.6(1.1)		82.0(1.7)	69.6(4.6)	81.1(1.5)	88.2(1.3)	75.3(2.6)
04	3.5(0.6)		4.6(0.9)	10.8(3.1)	4.5(0.8)	6.8(1.0)	1.4(0.7)
05	0.2(0.2)		0.0(0.0)	0.0(0.0)	0.1(0.0)	0.1(0.1)	0.0(0.0)

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¹ 101-A designates the Annette Island Fishery Reserve.

Table 2. Summary of age and sex composition of the commercial purse seine catch of chum salmon in Southeastern Alaska, 1984, by district. Standard errors are in parentheses. Percentages are weighted by sampling period commercial catches (continued).

Sex/ Age	District				
	107	109	110	112	113
Male					
02	9.1(0.8)	4.7(0.8)	1.4(0.3)	3.7(0.6)	1.0(0.1)
03	35.3(1.2)	54.8(1.7)	48.2(1.4)	45.4(1.6)	41.8(0.9)
04	3.0(0.4)	1.6(0.4)	3.4(0.5)	1.9(0.4)	8.6(0.2)
05	0.0(0.0)	0.0(0.0)	0.0(0.0)	0.0(0.0)	0.2(0.1)
Female					
02	7.1(0.6)	1.5(0.4)	0.8(0.2)	2.9(0.6)	0.9(0.2)
03	42.0(1.2)	36.7(1.7)	42.5(1.4)	43.7(1.6)	39.3(0.9)
04	3.5(0.4)	0.6(0.3)	3.6(0.5)	2.2(0.5)	8.2(0.5)
05	0.0(0.0)	0.0(0.0)	0.0(0.0)	0.0(0.0)	0.1(0.0)
Both Sexes					
02	16.2(1.0)	6.2(0.9)	2.2(0.4)	6.5(0.8)	1.8(0.2)
03	77.3(1.1)	91.5(1.0)	90.6(0.8)	89.1(1.0)	81.1(0.7)
04	6.5(0.6)	2.2(0.5)	7.0(0.7)	4.2(0.6)	16.8(0.7)
05	0.0(0.0)	0.0(0.0)	0.0(0.0)	0.0(0.0)	0.3(0.1)

Table 3. Summary of average length of the commercial purse seine catch of chum salmon in Southeastern Alaska by sex, age, and district in 1984. Standard errors are in parentheses.

Sex/ Age	District						
	101	101-A ¹	102	103	104	105	106
Male							
02	621(4.9)		590(4.8)	614(13.1)	605(5.9)	588(6.5)	587(4.1)
03	674(2.0)		638(1.9)	653(6.9)	639(2.5)	629(1.9)	630(4.0)
04	704(9.2)		665(8.7)	680(0.0)	767(7.0)	655(6.0)	647(9.0)
05						670(---)	
Female							
02	616(4.5)		600(4.6)	578(8.2)	594(3.9)	584(8.9)	598(10.4)
03	653(1.4)		631(1.7)	679(6.6)	635(1.7)	619(1.8)	630(4.7)
04	684(7.5)		673(8.3)	672(12.6)	673(7.9)	629(6.0)	699(65.5)
05	715(5.0)				669(26.5)		

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¹ 101-A designates the Annette Island Fishery Reserve.

Table 3. Summary of average length of the commercial purse seine catch of chum salmon in Southeastern Alaska by sex, age, and district in 1984. Standard errors are in parentheses (continued).

Sex/ Age	District				
	107	109	110	112	113
Male					
02	580(2.9)	579(5.4)	604(5.7)	595(5.1)	615(3.5)
03	626(1.5)	620(1.8)	636(1.1)	633(1.6)	648(1.0)
04	648(4.5)	667(8.4)	688(5.0)	686(5.6)	687(2.5)
05	724(---)		710(---)		706(13.9)
Female					
02	585(2.3)	592(9.1)	589(4.1)	581(4.9)	609(3.4)
03	616(1.0)	605(1.7)	616(0.8)	613(1.4)	629(0.9)
04	624(3.7)	646(23.3)	658(3.8)	665(5.1)	666(2.1)
05			620(---)	645(---)	684(9.6)

Table 4. Commercial drift gillnet harvest of chum salmon in Southeastern Alaska by district and statistical week, 1984.

Week Beginning	Stat. Week	District							Total
		101	101-A ¹	102	106	108	111	115	
17 June	25	9,507			411		205	949	11,072
24 June	26	15,308			1,128		1,204	1,456	19,096
1 July	27	20,886	2,356		2,274		6,317	10,108	41,941
8 July	28	24,925	3,184		2,898		9,083	12,271	52,361
15 July	29	39,360	3,621		14,061		6,567	12,638	76,247
22 July	30	29,922	2,491		8,354		6,877	15,096	62,740
29 July	31	17,115	2,043		9,184	1,527	6,243	7,035	43,147
5 Aug.	32	14,145	1,759	7	5,995	311	4,549	11,672	38,438
12 Aug.	33	11,935	2,710	173	4,757		4,725	11,113	35,413
19 Aug.	34	9,480	7,325	826	7,937		7,015	12,603	45,186
26 Aug.	35	12,379	17,613		3,872		15,290	28,560	77,714
2 Sept.	36	5,212	12,441		4,559	4	9,044	35,475	66,735
9 Sept.	37	7,302	15,341		4,370	1	8,771	123,796	159,581
16 Sept.	38	10,182	9		653	49	787	141,629	153,309
23 Sept.	39		565				9	152,253	152,827
30 Sept.	40							32,426	32,426
7 Oct.	41							27,736	27,736
14 Oct.	42							5,388	5,388
Total		227,658	71,458	1,006	70,453	1,892	86,686	642,204	1,101,357

¹ 101-A designates the Annette Island Fishery Reserve.

Table 5. Summary of age and sex composition of the commercial gillnet harvest of chum salmon in South-eastern Alaska, 1984, by district. Standard errors are in parentheses. Percentages are weighted by sampling period commercial catches.

Sex/ Age	District						
	101	101-A ¹	102	106	108	111	115
Male							
02	6.5(0.6)		9.3(4.0)	10.3(0.5)	8.0(1.4)	2.6(0.3)	7.3(0.5)
03	29.6(1.0)		31.5(6.4)	38.6(0.9)	55.1(2.7)	42.8(1.0)	36.9(0.8)
04	1.3(0.2)		1.9(1.9)	1.7(0.2)	3.4(1.0)	4.3(0.4)	3.8(0.3)
05	0.0(0.0)		0.0(0.0)	0.0(0.0)	0.0(0.0)	0.1(0.1)	0.1(0.1)
Female							
02	9.8(0.7)		7.4(3.6)	8.0(0.5)	3.4(1.0)	2.0(0.3)	5.0(0.4)
03	50.7(1.1)		50.0(6.9)	40.1(0.9)	29.0(2.4)	44.4(1.0)	43.3(0.8)
04	2.2(0.3)		0.0(0.0)	1.3(0.2)	1.1(0.6)	3.7(0.4)	3.7(0.3)
05	0.0(0.0)		0.0(0.0)	0.1(0.1)	0.0(0.0)	0.0(0.0)	0.0(0.0)
Both Sexes							
02	16.3(0.8)		16.7(5.1)	18.3(0.7)	11.4(1.7)	4.6(0.4)	12.3(0.6)
03	80.3(0.9)		81.5(5.3)	78.7(0.7)	84.1(2.0)	87.2(0.7)	80.2(0.7)
04	3.5(0.4)		1.9(1.9)	3.0(0.3)	4.5(1.1)	8.0(0.5)	7.5(0.4)
05	0.0(0.0)		0.0(0.0)	0.1(0.1)	0.0(0.0)	0.1(0.1)	0.1(0.1)

¹ 101-A designates the Annette Island Fishery Reserve.

The age composition of chum salmon was observed to change systematically over time for District 115 (Figure 3) and to a lesser extent for Districts 101 and 111. Older chum salmon (age 04) tend to enter the fishery sooner than the more abundant age 03 chum salmon. The same trend has been documented for the District 111 and 115 catches of 1982 and 1983 (Clark and McGregor 1983; Clark et al. 1984) and for Olsen Creek chum salmon (Helle 1979). The increase in abundance of age 04 fish in week 36 is believed to be a result of fall run chum salmon of Chilkat River origin entering the fishery, although definitive studies allocating the catch to summer and fall run fish have, as yet, not been conducted.

As was noted for gillnet catches of 1982 and 1983 and for purse seine catches of 1982 to 1984, male chum salmon are on the average larger than female chum salmon of the same age and district (Table 6). The mean lengths of older chum salmon of the same sex are generally larger, but variability in individual lengths precludes use of these measurements to determine age of fish. The chum salmon of District 115 were, on the average, larger than the chum salmon of corresponding age and sex of gill net catches of other districts. As advised for purse seine catches, average lengths are also a result of different stocks passing through the fishery and the sampling effort employed during this passage. Readers with more than a casual interest in length data should refer to summaries in the Appendix.

A consistent and significant decrease in size of chum salmon from District 101 early gillnet catches to later gillnet catches was noted in 1983 (Clark et al. 1984) and again in 1984 (Figure 4). Larger average sizes were also observed in the first two weeks of commercial catch from Districts 106, 111, and 115. A mid-season increase in the average size of chum salmon in the District 115 gillnet catch corresponds to the shift in age composition of catch (Figure 5). Both male and female age 03 chum salmon decrease in average size from statistical weeks 25 to 32. A secondary peak in average size of age 03 chum salmon occurs in statistical week 36, which corresponds to an increase in the proportion of older age 04 fish in the catch (compare Figure 3). A second decrease in average size occurs after the peak. The change in average length of chum salmon harvested in the commercial gillnet fishery is possibly indicative of both changes in abundance of different stocks in the fishery and the tendency of larger fish of a given age, sex, and population to return at an earlier date than corresponding smaller fish.

The 1984 fishtrap catches totaled 6,284 chum salmon (Table 7). Catches peaked in the last week (statistical week 36) of fishtrap operation. Of the 28,080 chum salmon harvested by hand and power troll gear, more than 50% of the harvest occurred in District 113 (Table 8). The largest catches were realized in the statistical weeks of 29-32, during which 62% of the troll harvest of chum salmon occurred. No fish were sampled to estimate the age, sex, or length composition of fishtrap or troll catches.

The 1984 Southeastern Alaska commercial catch of chum salmon was the largest since 1954. The largest catches were recorded in Districts 112, 101, and 115 in which 24%, 18%, and 18% of the total harvest occurred respectively (Table 9). Of the 3.61 million chum salmon catch, 68% were harvested by purse seine gear, 31% by gillnet gear, and less than 1% by troll gear. Catches exceeding

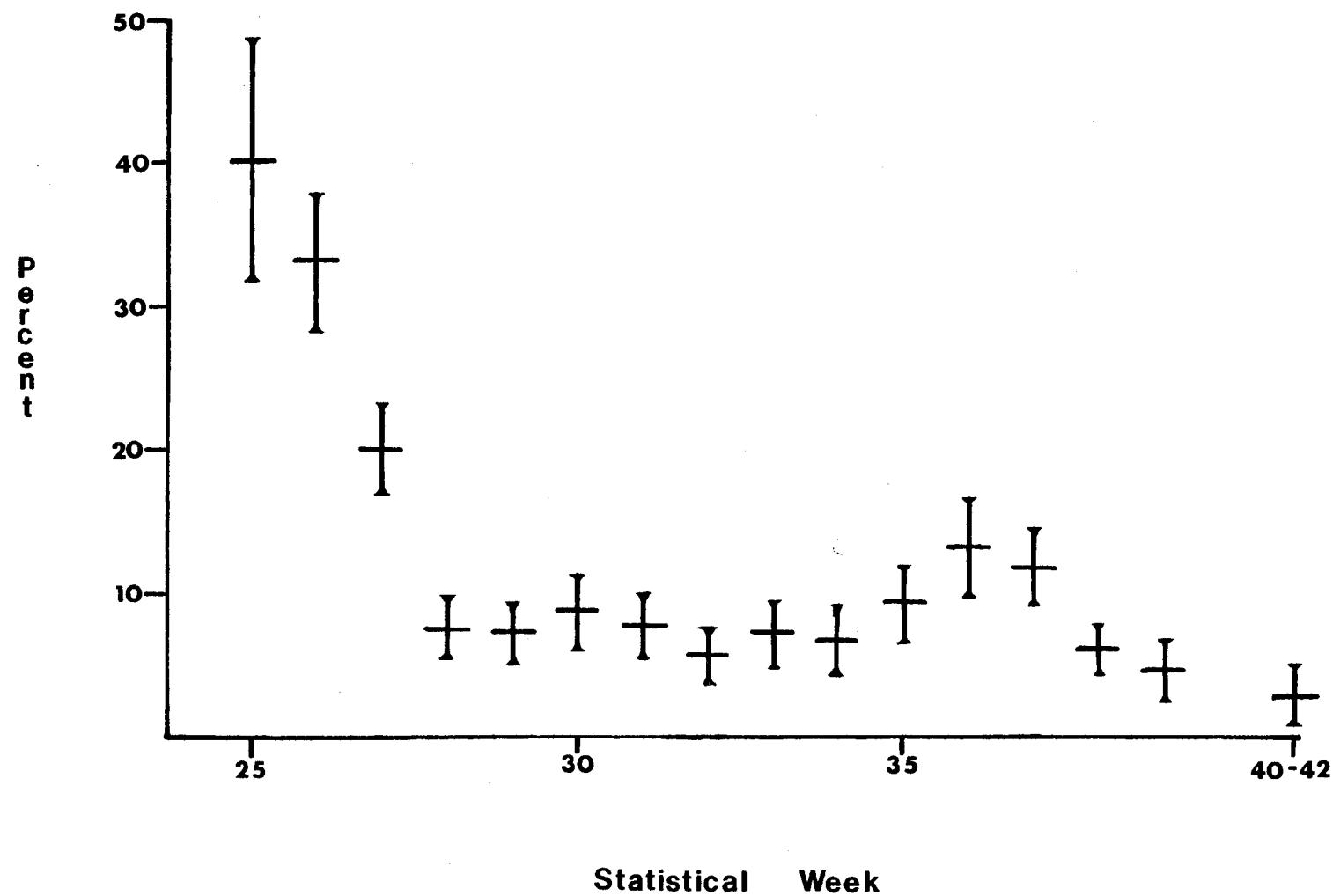


Figure 3. Change in proportion of age 04 chum salmon in the District 115 commercial gillnet catches from statistical week 25 to statistical week 42 in 1984. Horizontal bars are mean proportion and vertical bars are 95% confidence limits.

Table 6. Summary of average length of the commercial gillnet catch of chum salmon in Southeastern Alaska by sex, age, and district in 1984. Standard errors are in parentheses.

Sex/ Age	District					
	101	101-A ¹	102	106	108	111
Male						
02		626(7.6)	602(2.1)	595(8.6)	614(3.6)	620(1.9)
03	(see Fig. 4)	644(10.0)	641(1.4)	636(2.6)	649(1.2)	656(0.7)
04		770(---)	658(5.9)	662(8.4)	697(3.6)	698(2.3)
05			687(---)		688(16.8)	716(10.3)
Female						
02		605(11.7)	600(2.1)	588(7.4)	597(5.1)	609(2.0)
03	(see Fig. 4)	649(5.9)	629(1.0)	620(2.9)	628(0.9)	638(0.6)
04			659(5.2)	635(12.8)	666(2.6)	675(1.9)
05			686(11.0)		674(20.9)	659(26.9)

¹ 101-A designates the Annette Island Fishery Reserve.

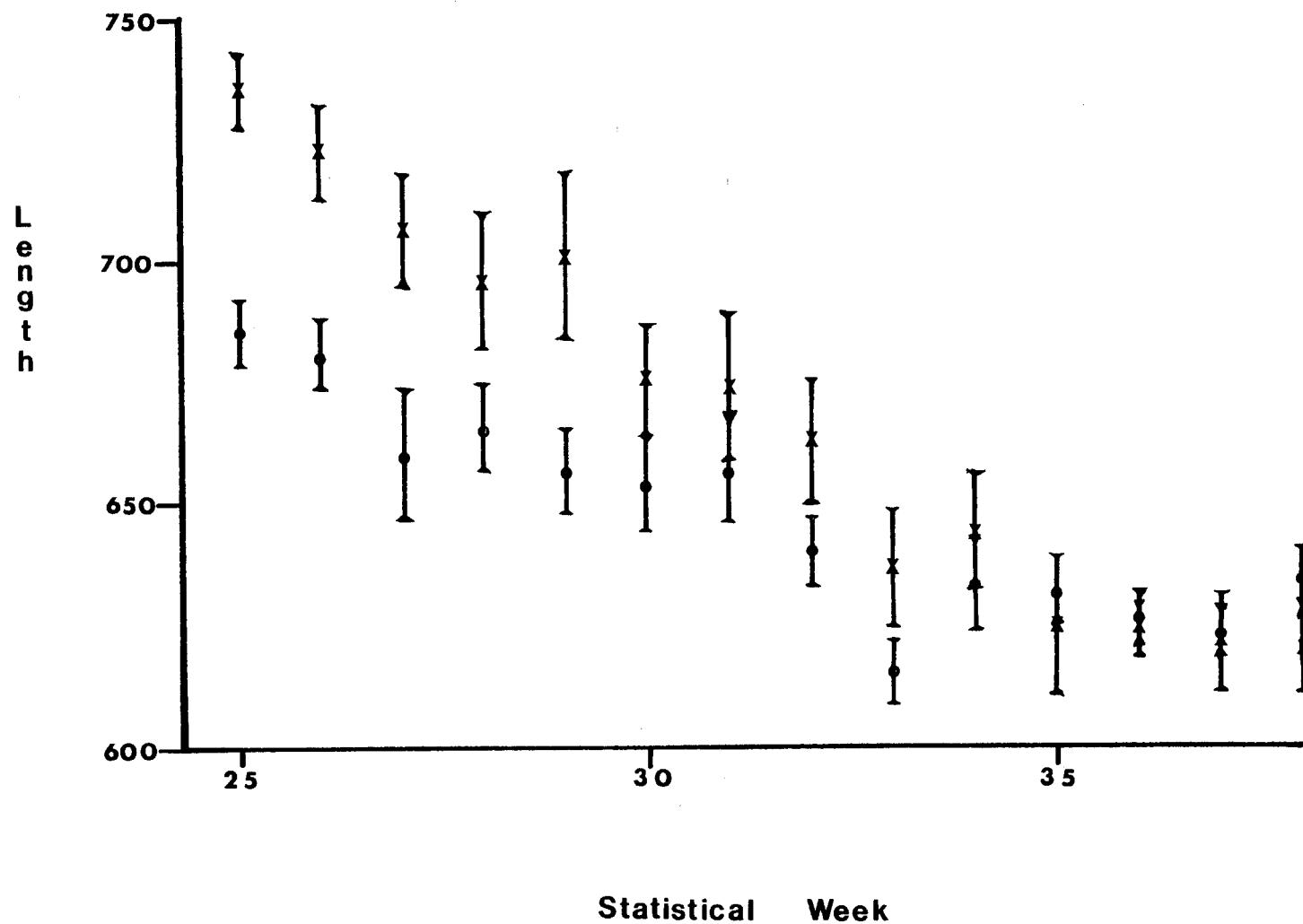


Figure 4. Decrease in average length of District 101 gillnet harvested age 03 male and female chum salmon from statistical week 25 to statistical week 38 in 1982. X is mean length of male chum salmon and O is mean length of female chum salmon. Vertical bars are 95% confidence limits of means.

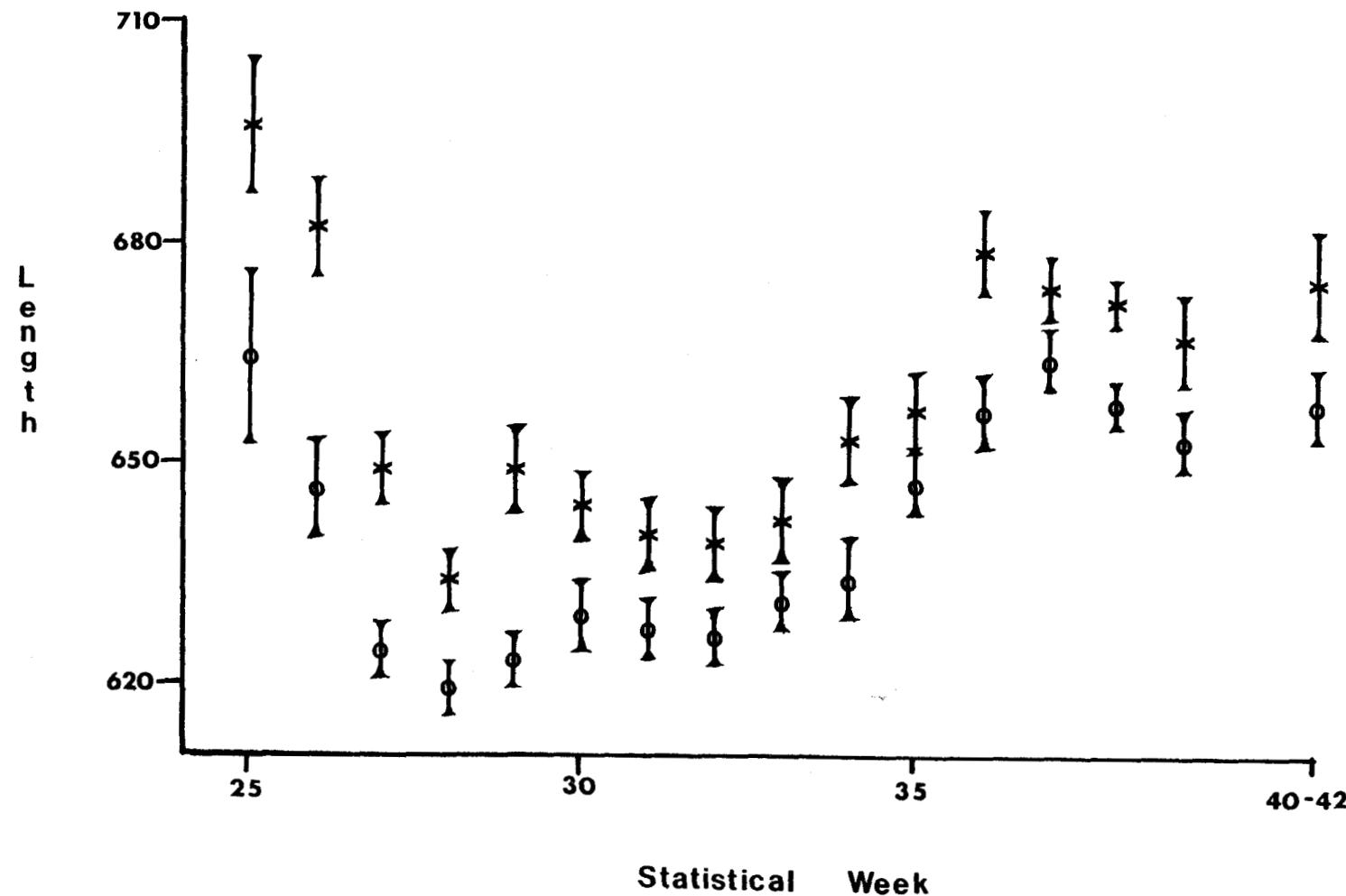


Figure 5. Change in average length of District 115 commercial gillnet age 03 chum salmon catches from statistical week 25 to statistical week 42 in 1984. X is mean length of male chum salmon and 0 is mean length of female chum salmon. Vertical bars are 95% confidence limits of means.

Table 7. Commercial fishtrap harvest of chum salmon in Southeastern Alaska, 1984.

Week Beginning	Stat. Week	Catch
8 July	28	299
15 July	29	337
22 July	30	128
29 July	31	867
5 Aug.	32	346
12 Aug.	33	554
19 Aug.	34	406
26 Aug.	35	1,137
2 Sept.	36	2,210
Total		6,284

Table 8. Commercial hand and power troll harvest of chum salmon in Southeastern Alaska by district and statistical week, 1984.

Week Beginning	Stat Weeks	District										
		101	102	103	104	105	106	107	108	109	110	152
1 Jan.-15 Apr.	1 - 16											
3 June	23		1							1	1	
10 June	24		2		3			1	11	9	6	
17 June	25	4	2	1	39		1	1				
24 June	26	6	15		3	1	1	21		47	11	
1 July	27		2									
8 July	28		1	4	27	1		1		76	9	1
15 July	29	19	12	39	166	9	5	2		251	37	15
22 July	30	36	48	73	261	3	9			206	6	
29 July	31	16	26	49	325	15	2		3	243	10	2
5 Aug.	32	61	14	41	189	30	1				104	
12 Aug.	33	83	6	16	174	18	2				31	6
19 Aug.	34		3								2	
26 Aug.	35	87	48	46	15	6	5	5		46	1	
2 Sept.	36	133	26	14	12	8	9	3		41		
9 Sept.	37	295	15	5	4	9	10			6		2
16 Sept.	38	96	22				2	1			1	
1 Oct.-31 Dec.	40 - 53											
Unknown Week												
Total		839	240	288	1,218	100	47	45	3	1,064	87	20

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Table 8. Commercial hand and power troll harvest of chum salmon in Southeastern Alaska by district and statistical week, 1984 (continued).

Week Beginning	Stat Weeks	District										Southeastern Alaska		Total	
		111	112	113	114	115	116	154	157	181	183	186	189	Unk.	
1 Jan.-15 Apr.	1 - 16														
3 June	23			62	10		4								77
10 June	24		10	67	141		3		3	2		2	1		237
17 June	25		20	50	460	1	9	6	2	1	19		6		647
24 June	26		41	326	2,450	3	52	27	14	9	8		5		3,040
1 July	27			113	5		16	4			3				143
8 July	28		24	530	465	1	26	1	6		1				1,174
15 July	29			51	2,775	196	3	53	111	14					3,759
22 July	30	1	56	2,864	462		81	261	19						4,386
29 July	31		35	3,221	554		212	734	43	15					5,505
5 Aug.	32	3	36	2,346	438		138	360	22	6	3				3,792
12 Aug.	33		55	1,849	176		145	325		3	3				2,892
19 Aug.	34		9	11	9										34
26 Aug.	35	3	23	148	206		33								672
2 Sept.	36		47	62	330	5	24	15		2	1	1	3		736
9 Sept.	37		44	25	87	1	10		3	14		2			532
16 Sept.	38		14	9	31	1	6	215		23		7			428
1 Oct.-31 Dec.	40 - 53			1										1	
Unknown Week														25	25
Total		7	465	14,459	6,020	15	812	2,084	126	75	39	2	22	3	28,080

Table 9. Total commercial harvest of chum salmon in Southeastern Alaska by district and statistical week, 1984. Total catch includes chum salmon harvested by purse seine, gillnet, hand and power troll, hatchery, fishtrap, test fishery, and unidentified gear.

Week Beginning	Stat Weeks	District								
		101	101-A ¹	102	103	104	105	106	107	108
1 Jan.-15 Apr.	1 - 16									
3 June	23			1						
10 June	24			2		3		15	1	
17 June	25	9,514		2	1	39		431	11	25
24 June	26	15,314		15		3	1	1,213	21	104
1 July	27	20,886	2,356	2		1,970		2,418		158
8 July	28	31,196	3,541	444	4	7,398	1	2,898	1	
15 July	29	64,865	4,160	1,819	39	11,907	9	14,066	2	
22 July	30	49,314	5,235	3,241	73	14,800	3	8,363		
29 July	31	52,758	3,552	1,421	49	26,830	15	9,186		1,530
5 Aug.	32	73,711	3,831	13,745	1,836	42,563	30	5,996		311
12 Aug.	33	64,948	5,107	19,151	3,894	54,392	26,175	4,759	2,836	
19 Aug.	34	49,846	10,971	44,998	24,960	35,488	12,950	11,283	543	
26 Aug.	35	100,161	26,049	14,192	39,549	9,378	9,821	3,877	5	
2 Sept.	36	5,345	22,068	32,568	14	12	12,899	4,568	14	4
9 Sept.	37	103,506	17,344	27,660	5	4	9	4,380	5	1
16 Sept.	38	10,278		9	23,245			655	4	49
23 Sept.	39		565	22,151					3	
30 Sept.	40									
7 Oct.	41									
14 Oct.	42		293							
21 Oct.-31 Dec.	43 - 53		460							
Unknown Week		32								
Total		652,427	104,788	204,657	70,424	204,787	61,913	74,108	3,446	2,182

-Continued-

¹ 101-A designates the Annette Island Fishery Reserve.

Table 9. Total commercial harvest of chum salmon in Southeastern Alaska by district and statistical week, 1984. Total catch includes chum salmon harvested by purse seine, gillnet, hand and power troll, hatchery, fishtrap, test fishery, and unidentified gear (continued).

Week Beginning	Stat Weeks	District						
		109	110	152	111	112	113	114
1 Jan.-15 Apr.	1 - 16							
3 June	23						62	10
10 June	24	1	1			10	67	141
17 June	25	9	6		205	20	50	460
24 June	26	47	11		1,235	41	326	2,450
1 July	27		334		6,317	115,240	113	10,820
8 July	28	76	9	1	9,118	253,439	665	51,935
15 July	29	251	13,246	15	6,616	232,060	5,377	9,275
22 July	30	6,693	5,797		6,878	116,110	5,495	462
29 July	31	9,120	8,638	2	6,245	33,440	11,957	554
5 Aug.	32	39,517	1,138		4,652	41,857	26,214	438
12 Aug.	33	90,497	6		4,725	29,272	60,496	823
19 Aug.	34	34,673			7,015	13,612	12,791	17,205
26 Aug.	35	13,631	1		15,293	1,629	28,918	17,981
2 Sept.	36	45			9,044	16,488	12,766	21,678
9 Sept.	37	43,122		2	8,771	44	6,067	28,070
16 Sept.	38	19,046			787	14	9	31
23 Sept.	39	16,266			9		1	5,129
30 Sept.	40	409				2,542		32,426
7 Oct.	41							27,736
14 Oct.	42							5,388
21 Oct.-31 Dec.	43 - 53				3		1	
Unknown Week								
Total		273,403	29,187	20	86,910	855,818	171,375	167,462
								642,232

-Continued-

Table 9. Total commercial harvest of chum salmon in Southeastern Alaska by district and statistical week, 1984. Total catch includes chum salmon harvested by purse seine, gillnet, hand and power troll, hatchery, fishtrap, test fishery, and unidentified gear (continued).

Week Beginning	Stat Weeks	District						Unknown	Southeastern Alaska Total Catch
		116	154	157	181	183	186		
1 Jan.-15 Apr.	1 - 16								
3 June	23	4							77
10 June	24	3		3	2			1	252
17 June	25	9	6	2	1	19		6	11,766
24 June	26	52	27	14	9	8		5	22,355
1 July	27	16	4			3			170,745
8 July	28	26	1	6		1			373,032
15 July	29	53	111	14		1			376,527
22 July	30	81	261	19					237,921
29 July	31	212	734	43	15				173,346
5 Aug.	32	138	360	22	6	3			268,040
12 Aug.	33	145	325		3	3			378,673
19 Aug.	34								288,938
26 Aug.	35	33							309,078
2 Sept.	36	24	15		2	1		1	173,039
9 Sept.	37	10		3	14			2	362,816
16 Sept.	38	6	215		23			7	196,008
23 Sept.	39								196,377
30 Sept.	40								35,377
7 Oct.	41								27,736
14 Oct.	42								5,681
21 Oct.-31 Dec.	43 - 5								460
Unknown Week									58
Total		812	2,084	126	75	39	2	22	3,608,302

360,000 chum salmon (or 10% of the total catch) were recorded in statistical weeks 28, 29, 33, and 37. In addition, 2,492 chum salmon were harvested by the Taku River Canadian fishery (Table 10). No fish were reported in the harvest of the Stikine River Canadian fishery.

A total of 3,391 chum salmon were estimated to have been harvested by the sport fishery (Table 11). The Haines-Skagway sport fishery harvested the largest number of fish (69% of total), followed by Juneau (42%), and Ketchikan (7%). The subsistence harvest was reported to be 1,340 chum salmon (Table 12), over one-half from the District 115 subsistence fisheries. In relation to the commercial harvest of chum salmon, subsistence, and sport catches are relatively small. Therefore, length, sex, and scale samples were not obtained from these fisheries.

Peak escapement counts for streams in the Southeastern Region may be useful for interannual or interdrainage comparisons. Stream counts in which counts of 25 or more chum salmon were observed are presented in Table 13. District 102 Twelve Mile Creek (91,000), District 112 Kadashan Creek (52,755 fish), and District 115 Chilkat River (61,600 fish) were reported to have the highest counts. Five other drainages or bays had peak counts over 20,000 chum salmon, and 17 other drainages had counts over 10,000 fish. In 1982 and 1983 only, 7 drainages and 12 drainages respectively, had counts in excess of 10,000 chum salmon (Clark and McGregor 1983; Clark et al. 1984).

In order to more accurately document the length, age, and sex composition of escapements for the largest chum salmon returns in 30 years, an extensive effort was made to sample the escapement of as many streams as time and personnel resources would allow. Scale, sex, and length data were obtained for 43 streams in Southeastern Alaska, principally in the northern drainages (Tables 14-15). As was noted in commercial catch samples, age 03 fish were numerically dominant. The escapements of streams located in more northerly districts generally had a higher proportion of age 04 chum salmon while those of Districts 101-109 were characterized by more age 02 chum salmon. The returns to Beaver Falls and Snettisham Hatcheries were, on the average, relatively young fish (38% and 87% age 02 fish respectively).

The average length of male chum salmon are generally larger than female chum salmon of the same age and drainage. Older chum salmon also tend to be larger than younger fish. There were large variations in average size between drainages. Age 03 males (which generally comprised over 80% of all males) averaged between 601 mm (Gartina Creek) and 683 mm (Stikine River), and age 03 females averaged between 578 mm (Middle Point Creek) and 684 mm (Klawock Hatchery). No large differences were observed in early and late run Chaik Bay chum salmon in either age composition or average length.

Basic statistics concerning the migratory time distributions of the 8 weired streams where significant numbers of chum salmon were counted are presented in Table 16. Means ranged from 28 July to 7 October, and variances from 38 to 302 days squared. No differences were noted in migratory patterns by district, time of entry, or abundance.

Table 10. Canadian commercial gillnet catch in the Taku River by week, 17 June to 22 September 1984.

Week	Harvest
06/17 - 06/23	0
06/24 - 06/30	0
07/01 - 07/07	1
07/08 - 07/14	2
07/15 - 07/21	7
07/22 - 07/28	13
07/29 - 08/04	102
08/05 - 08/11	105
08/12 - 08/18	208
08/19 - 08/25	388
08/26 - 09/01	58
09/02 - 09/08	680
09/09 - 09/15	424
09/16 - 09/22	504
Total	2492

Table 11. Southeastern Alaska sport catch, 1984 (from Mills 1985).

Area	Saltwater	Freshwater	Total
Ketchikan Area			
Behm Canal	248	0	248
Clarence Strait	0	0	0
Revilla Channel	24	0	24
Tongass Narrows	59	0	59
Bell Island	24	0	24
Other Areas	35	0	35
Shoreline	94	0	94
Ketchikan Area Total	484	0	484
Prince of Wales			
Island Area			
Klawock River	0	24	24
Other Streams	0	36	36
Offshore	35	0	35
Prince of Wales Total	35	60	95
Kake, Petersburg,			
Wrangell, Stikine			
Area			
Offshore	12	0	12
Blind Slough	59	0	59
Petersburg Creek	0	12	12
Other Streams	0	48	48
Area Total	71	60	131
Sitka Area			
Starrigavan Bay	85	0	85
Offshore	160	0	160
Shoreline	84	0	84
Streams	0	42	42
Area Total	329	42	371

-Continued-

Table 11. Southeastern Alaska sport catch, 1984 (continued).

Area	Saltwater	Freshwater	Total
<hr/>			
Juneau Area			
Offshore	915	0	915
Shoreline	492	0	492
Streams	0	8	8
Area Total	1407	8	1415
<hr/>			
Haines-Skagway Area			
Offshore	52	0	52
Shoreline	91	0	91
Chilkoot River	0	403	403
Chilkat River	0	1801	1801
Other Streams	0	7	7
Area Total	143	2211	2354
<hr/>			
Glacier Bay Area			
Offshore	7	0	7
Lakes	0	33	33
Area Total	7	33	40
<hr/>			
Southeastern Alaska Total	977	2414	3391

Table 12. Southeastern Alaska reported chum salmon subsistence catch, 1984.

Area	Stream Number	Number Harvested
Fish Creek	101-43-033	1
Traitors River	101-90-029	3
Vallner	101-29-006	4
White River	101-45-024	10
Klawock River	103-60-047	207
Blind Slough	106-44	1
Dog Salmon	107-30	6
Aleutikina Bay	113-41	45
Camp Coogan Bay	113-41	26
Deep Bay	113-64	100
Katlian Bay	113-44	50
Nakwasina Sound	113-43	27
Necker Bay	113-34	1
Salmon Lake	113-41	20
Sandy Cove	113-41	19
Starrigavan Bay	113-41	90
Chilkat Inlet	115-32	37
Chilkat River	115-32	404
Chilkoot Inlet	115-33	81
Klukwan	115-32	159
Taiya River	115-34	49
Total		1340

Table 13. Peak escapement by individual stream for Southeastern Alaska chum salmon systems in 1984. Survey code is: (F) foot, (A) aerial, (W) weir. L designates entire length of stream surveyed, M a survey at the mouth of a stream, T a tidal survey, and numeric values are distances in miles.

Stream Number	Stream Name	Count	Method	Distance	Date
101-11-031	Nakat Inlet W. Head	50	A	L	8/23
101-11-033	Nakat Inlet Head	7400	A	L	8/23
101-11-065	Willard Creek	310	F	2.5	8/23
101-11-075	Canine Creek	724	F	2.0	8/23
101-11-075	Fillmore Creek	303	F	1.5	7/23
101-11-101	Hidden Inlet	800	A	L	8/02
101-15-019	Tombstone River	9250	A	L	8/02
101-15-085	Fish Creek-Hyder	5700	F	L	8/23
101-23-027	Very Inlet SE Head	105	F	.8	9/11
101-29-006	Vallenar Creek	284	F	4.0	9/14
101-30-030	Keta River	16503	A	L	7/25
101-30-060	Martin River	300	A	L	7/23
101-30-075	Sockeye Ck-Hugh Smth	184	W	L	11/25
101-41-067	Nadzaheen Creek	209	F	.5	9/13
101-45-007	Herring Cove	212	F	L	9/26
101-45-024	White River	73	F	.3	9/27
101-45-078	Carroll Creek	11000	A	L	8/05
101-47-015	Ward Creek	341	F	L	10/29
101-47-050	Lewia Reef	26	F	.3	9/27
101-55-009	Cabin Creek	221	F	1.5	8/29
101-55-020	Wilson River	273	F	.5	9/06
101-55-040	Blossom River	4106	A	L	7/25
101-55-060	Bakewell Creek	66	F	2.5	8/11
101-60-009	Nooya Creek	327	F	1.0	8/12
101-60-015	Rudyerd Creek	368	F	1.3	8/12
101-60-025	Valentine Creek	35	F	.8	8/12
101-60-030	Big Goat Creek	4431	F	3.0	9/06
101-71-014	King Creek Behm Can	11210	F	4.0	8/14
101-71-016	Choca Creek	444	F	3.0	8/14
101-71-025	Walker Cove L Head	407	F	1.5	9/01
101-71-026	Walker Cove R Head	25	F	.4	9/01
101-71-028	Walker Creek	3500	F	2.0	9/06
101-71-063	Portage Creek	1000	F	2.0	8/14
101-75-005	Herman Creek	7610	F	2.5	8/15
101-75-010	Grant Creek	649	F	2.5	8/16
101-75-015	Eulachon River	6000	A	L	7/25
101-75-030	Unuk River	218	F	L	8/14
101-75-050	Klahini River	1152	F	1.5	8/16
101-75-076	Saks Creek	657	F	7.5	8/15
101-75-300	Cripple Ck-Unuk R	788	F	2.0	7/30

-Continued-

Table 13. Peak escapement by individual stream for Southeastern Alaska chum salmon systems in 1984. Survey code is: (F) foot, (A) aerial, (W) weir. L designates entire length of stream surveyed, M a survey at the mouth of a stream, T a tidal survey, and numeric values are distances in miles (continued).

Stream Number	Stream Name	Count	Method	Distance	Date
101-80-003	Cow Creek	277	F	1.0	8/15
101-80-050	Spacious Bay R Head	105	F	2.0	8/17
101-80-060	Sea Lion Cove	564	F	2.0	8/17
101-80-068	Wolverine Creek	1500	F	L	9/15
101-80-084	Short Creek	156	F	.5	8/17
101-90-029	Traitora Cove Creek	3433	F	.5	8/18
101-90-039	Marguerite Creek	224	F	1.0	9/04
101-90-050	Naha River	78	F	3.5	9/29
101-90-061	Moser Bay	41	F	.3	9/05
101-90-086	Granite Ck-Raymond C	86	F	7.5	8/19
101-90-092	Stewart Creek	976	F	1.5	8/18
102-30-017	Johnson Cove Creek	300	F	3.0	9/24
102-30-028	Perkins Creek	6006	A	T	9/11
102-30-035	Moira S Arm Head SE	11006	A	T	9/11
102-30-047	West Arm Moira Sd Hd	2000	A	T	9/12
102-30-057	Dickman Bay L Arm Hd	169	F	.7	9/25
102-30-065	Kugel Creek	18003	F	.4	9/24
102-30-087	Aiken Cove	916	F	.5	9/25
102-40-009	Lancaster Cove East	2006	A	T	8/27
102-40-011	Lancaster Cove East	1500	A	T	9/05
102-40-014	Kitkun Bay #1	703	A	.5	9/11
102-40-015	Kitkun Bay SE Side	1303	A	T	9/11
102-40-017	Kitkun Bay	1003	A	T	9/11
102-40-043	Disappearance Creek	29937	W	L	10/11
102-40-052	Cannery Creek W Arm	139	F	.2	9/21
102-40-060	Lagoon Creek	17125	F	2.0	9/26
102-40-071	W Arm Chol Sd Head	693	F	.5	9/21
102-40-087	Sunny Creek	900	F	L	9/06
102-60-024	Old Tom Creek	6016	F	2.0	9/19
102-60-038	Dog Salmon Creek	4000	A	T	8/22
102-60-068	Kina Creek	43	F	2.0	9/25
102-60-072	Twelvemile Creek	91003	A	T	8/12
102-60-082	Harris River	1500	A	4.0	9/24
102-60-084	Maybeso Creek	20	A	2.0	9/20
102-60-087	Karta River	10500	F	1.2	9/20
102-70-058	Thorne River	27	F	6.0	9/22

-Continued-

Table 13. Peak escapement by individual stream for Southeastern Alaska chum salmon systems in 1984. Survey code is: (F) foot, (A) aerial, (W) weir. L. designates entire length of stream surveyed, M a survey at the mouth of a stream, T a tidal survey, and numeric values are distances in miles (continued).

Stream Number	Stream Name	Count	Method	Distance	Date
103-11-017	Hunter Bay E Head	60	F	1.5	9/25
103-11-025	Hesaa Inlet	55	F	L	9/25
103-11-041	Darzkoo Harbor Head	29	F	L	9/24
103-15-023	Klakas Right Head	335	F	2.5	9/06
103-25-005	Slatery Creek	865	F	2.0	9/23
103-25-015	Deer Creek	109	F	1.0	9/24
103-25-030	Hetta Portage Creek	543	F	1.0	9/24
103-30-035	Ham Cove Creek	606	A	1.0	9/12
103-30-043	Vesta Bay	3000	A	T	9/06
103-40-003	Soda Bay NW Side R	1275	F	.2	9/08
103-40-009	Shelikof Creek	1110	F	1.0	9/23
103-40-063	Rose Point Creek	1003	A	T	9/12
103-40-064	N of Rose Point Creek	190	F	L	9/24
103-40-067	Coho Harbor Head	3003	A	T	9/06
103-40-071	South View Cove	32	F	L	9/24
103-50-007	San Fernando Is W Sd	83	F	L	9/20
103-50-021	Port Eatrlia Head	574	F	L	9/08
103-50-034	E of Waterfall Creek	36	F	L	9/08
103-50-049	Port Refugio W Arm H	276	F	L	9/22
103-60-013	Shinaku Creek	465	F	5.0	9/10
103-60-029	Steelhead Creek	224	F	1.5	9/10
103-60-047	Klawock River	20006	F	L	9/10
103-60-059	Port St Nickolas Hd	3120	F	L	9/22
103-60-075	Trocadero Bay	274	F	L	9/22
103-70-011	11 mile Creek	37	F	L	9/19
103-70-035	House Creek-Lulu Is	205	F	L	9/20
103-90-004	Sarheen Cove	3000	A	T	9/13
103-90-030	Staney Creek	1500	A	L	8/18
103-90-042	Shaheen Creek	2000	A	T	8/03
103-90-069	Tokeen Bay Head	1374	F	L	9/19
103-90-072	Tokeen Camp Creek	1003	A	T	8/18
103-90-081	Devilfish Bay N Side	137	F	7.5	9/13
105-10-016	Linda Sue Slough	47	F	.3	9/23
105-10-019	Kathleen Creek	1216	F	L	9/24
105-10-021	Joan Ck Affleck Can	693	F	L	9/24
105-10-024	Bear Harbor Creek	3470	F	1.0	9/24
105-10-032	Kell Bay Creek	500	A	T	8/17
105-20-004	Paul Creek N Arm H	77	F	L	9/23
105-20-008	Cannery Ck Beauclerc	446	F	.5	9/23
105-20-012	P Beauclerc S Arm E	2005	F	L	9/22

-Continued-

Table 13. Peak escapement by individual stream for Southeastern Alaska chum salmon systems in 1984. Survey code is: (F) foot, (A) aerial, (W) weir. L. designates entire length of stream surveyed, M a survey at the mouth of a stream, T a tidal survey, and numeric values are distances in miles (continued).

Stream Number	Stream Name	Count	Method	Distance	Date
105-32-001	Lovelace Creek	203	A	1.5	8/16
105-32-014	Big John Bay E Cov S	500	A	T	8/16
105-32-016	Big John Creek	150	A	.3	8/16
105-32-029	Goose Grunt Creek	200	A	.1	8/16
105-32-030	NW of Summit Island	520	A	.3	8/16
105-32-032	W of Summit Is Rocky	200	A	T	8/16
105-32-069	3 Mile Arm N Arm Hd	55	F	.5	8/29
105-32-073	3 Mile Arm NW Arm Hd	1133	F	.4	8/29
105-32-082	Seclusion Hbr Head	1500	A	L	9/19
105-42-005	Calder Creek	2230	F	.2	9/25
105-42-009	Ei Capitan Creek	194	F	L	9/25
106-20-023	McHenry Anchorage Creek	56	F	1.0	9/06
106-21-004	Falls Ck McHenry In	250	A	L	8/12
106-21-005	Trout Ck McHenry In	99	F	.5	9/06
106-22-006	Flat Ck Mosman Inlet	110	F	2.0	9/07
106-22-015	Burnett Hatchery Ck	1400	A	M	8/12
106-22-016	Navy Ck	211	F	L	9/07
106-22-14D	Burnett Btn 14B & 15	34	F	L	9/07
106-30-072	Mabel Ck Whale Pass	67	F	L	9/27
106-30-074	Rocky Bay Whale Pass	143	F	.5	9/27
106-41-055	Totem Creek	1900	F	2.0	8/28
106-41-058	Zim Ck Totem Bay	160	A	1.5	8/16
106-42-010	Kah Sheets Creek	585	F	.7	8/27
106-44-031	Cryatal Creek	729	W	L	9/05
106-44-035	S of Blind Is Picnic	250	A	.1	8/27
106-44-060	Petersburg Creek	500	A	2.0	8/18
107-10-010	Emerald Creek	40	F	.6	9/05
107-10-024	Vixen Inlet West Sd	126	F	.2	9/05
107-10-030	Black Bear Creek	33	F	.3	8/02
107-10-070	Kudaya Ck S Etolin	25	F	L	9/06
107-10-072	S Etolin Island East	1170	F	1.0	9/06
107-20-020	Canoe Pass W Side	953	F	L	8/24
107-20-023	Fisherman Chuck	61	F	L	8/24
107-20-030	Menefee Creek	4237	F	1.2	8/24
107-20-070	Fools Inlet Head W	89	F	.7	8/21
107-30-070	Snake Ck Olive Cove	172	F	L	8/24
107-30-080	Brad Ck NW Anita Bay	400	A	L	9/14
107-30-090	Dog Salmon NE Etolin	3740	F	L	8/21

-Continued-

Table 13. Peak escapement by individual stream for Southeastern Alaska chum salmon systems in 1984. Survey code is: (F) foot, (A) aerial, (W) weir. L. designates entire length of stream surveyed, M a survey at the mouth of a stream, T a tidal survey, and numeric values are distances in miles (continued).

Stream Number	Stream Name	Count	Method	Distance	Date
107-40-022	Berg Creek	350	A	L	8/10
107-40-024	Aaron Creek	120	A	.5	7/23
107-40-025	Oerna Creek	1083	A	1.0	7/23
107-40-038	Marten Ck Bradfield	267	F	L	8/21
107-40-047	Tom Lake Creek	420	F	L	8/23
107-40-049	Harding River	16403	A	L	7/31
107-40-055	Eagle R Bradfield	3568	F	2.0	8/23
108-10-010	McCormack Ck Wrang Is	102	F	1.0	8/22
108-40-010	North Arm Creek	3470	F	1.5	8/07
108-40-020	Andrews Creek	473	W	L	8/24
108-40-035	Garnet Ledge	57	F	L	8/11
108-60-006	Fivemile Ck Sukoi Is	50	A	.4	7/26
109-10-006	Sashin Ck P Walter N	1485	W	L	10/08
109-10-009	Lovers Cove Creek	5000	A	L	8/24
109-10-023	Deep Cove NW Head	50	F	L	10/21
109-20-006	Gut Bay 1st Left	2500	A	L	9/05
109-20-016	Red Bluff Bay S Head	15500	A	L	9/12
109-30-001	Woewodski Harbor	200	A	M	8/15
109-30-003	Eliza Creek	2903	A	L	9/19
109-30-017	Tyee Head West	13700	A	.1	8/15
109-30-025	Little Pybus Bay Ck	5200	A	L	9/13
109-42-005	Jenny Ck	500	A	.8	8/16
109-42-009	Cathedral Falls Ck	150	A	L	8/16
109-42-030	Kadake Creek	400	A	1.5	8/05
109-43-006	Port Camden S Head	6800	A	L	9/19
109-43-008	Port Camden W Head	3200	A	L	9/19
109-43-016	Crane Ck Port Camden	200	A	M	8/05
109-44-032	2nd S Cannery Sag B	118	F	1.0	9/11
109-44-037	Saginaw Baya Head	2590	A	.3	8/02
109-44-039	Saginaw Creek	400	A	.7	8/13
109-45-010	Security Bay Creek	36	F	.8	9/12
109-45-013	Salt Chuck-Security	19003	A	L	9/19
109-45-015	Security Bay S Side	2030	F	.8	8/09
109-45-016	Security Bay S Mid	422	F	1.0	8/09
109-45-017	Lookout Pt Ck Sec B	961	F	L	8/09
109-52-002	Outer Rowan Bay	550	F	.4	9/13
109-58-003	Rowan Bay N Mouth	198	F	.2	9/13

-Continued-

Table 13. Peak escapement by individual stream for Southeastern Alaska chum salmon systems in 1984. Survey code is: (F) foot, (A) aerial, (W) weir. L. designates entire length of stream surveyed, M a survey at the mouth of a stream, T a tidal survey, and numeric values are distances in miles (continued).

Stream Number	Stream Name	Count	Method	Distance	Date
109-52-004	Rowan Bay NW Side	862	F	.2	9/13
109-52-005	Wanigan Creek	4230	F	.2	9/13
109-52-007	Rowan Creek	500	A	.8	8/05
109-52-008	Rowan Bay E Head	547	F	.8	9/13
109-52-012	Rowan Bay SW Corner	32	F	.1	9/13
109-52-033	E of Kutlaku Creek	2141	F	L	9/13
109-52-035	Kutlaku Creek	150	A	M	8/21
109-52-055	Kwatahein Ck Pillar	100	F	L	9/13
109-62-012	Elena Bay Head	1700	A	L	9/19
109-62-014	Sample Creek	1600	A	.4	8/18
109-62-017	W of Long Island	420	A	M	7/30
109-62-018	Goose Trap Ck	750	A	L	8/21
109-62-020	Petrof Bay SE Head	200	F	.6	9/15
109-62-022	Petrof Bay S Head	549	F	.5	9/15
109-62-024	Petrof Bay W Head	440	F	.7	9/15
109-62-026	Petrof Bay SW Head	437	F	L	9/15
109-62-028	William Ck Thetis E	390	F	.2	9/15
109-62-029	Wolf Ck Thetis Bay	183	F	L	9/15
109-62-031	Thetis B Salt Chuck	58	F	L	9/15
109-62-034	S of Explorer Basin	1800	A	M	8/21
109-62-036	Neal Creek	1800	F	1.0	8/21
109-62-038	Gedney Hbrs Head	289	F	.5	9/14
109-63-002	Gods Pocket North	73	F	.1	9/16
109-63-003	2nd W Joyce Creek	111	F	.2	9/16
109-63-005	Joyce Ck Malmesbury	130	F	.1	9/16
109-63-007	P Malmesbury N Arm E	103	F	.2	9/16
109-63-015	P Malmesbury S Arm E	25	F	T	9/16
110-13-004	Dry Bay Creek	1000	A	.2	8/05
110-14-007	Farragut River	858	F	.7	8/15
110-14-008	Dale Ck S Arm Farr B	2500	A	M	7/22
110-16-002	Portage Bay Head	750	A	L	8/16
110-16-013	1st E Schooner Is	300	A	.1	8/16
110-22-001	Deer Camp Creek	90	A	T	8/15
110-22-002	Old Mana Ck Pybus B	310	F	L	8/17
110-22-004	Amber Ck N Arm Pybus	1200	A	T	7/22
110-22-006	Pybus Bay Head	103	A	1.5	8/15
110-22-009	Beautiful Ck	522	F	L	8/16
110-22-012	Donkey Creek	2848	F	1.0	8/17
110-22-014	Cannery Cove Pybus B	1000	A	.2	8/05

-Continued-

Table 13. Peak escapement by individual stream for Southeastern Alaska chum salmon systems in 1984. Survey code is: (F) foot, (A) aerial, (W) weir. L. designates entire length of stream surveyed, M a survey at the mouth of a stream, T a tidal survey, and numeric values are distances in miles (continued).

Stream Number	Stream Name	Count	Method	Distance	Date
110-23-008	Johnston Creek	5400	A	1.5	7/19
110-23-010	Bowman Creek	857	F	1.5	8/16
110-23-019	Snug Cove Gambier B	2565	F	.7	8/16
110-23-040	East of Snug Cove	2220	A	M	8/15
110-31-004	Roberts Island Ck	1269	F	.7	8/13
110-32-002	Goat Ck Windham Bay	105	F	1.0	8/15
110-32-007	Tunnel Ck Windham	200	A	L	8/05
110-32-009	Chuck R Windham Bay	1630	F	.5	8/15
110-33-008	Nancy Ck Hobart Bay	1100	A	.2	8/15
110-33-013	Lauras Creek	3500	A	.8	8/05
110-33-003	Rusty River	300	A	L	7/22
110-34-006	Glen Creek	1200	A	.2	8/05
110-34-008	Sanborn Creek	1900	A	L	8/05
110-34-014	Negro Creek	800	A	L	8/15
111-12-005	Pleasant Bay Creek	1600	A	L	8/02
111-13-010	Mole River	580	F	3.0	8/18
111-15-020	Windfall Creek	3000	A	L	7/24
111-15-024	Windfall Hbr W Side	1500	A	L	8/05
111-15-030	Pack Creek	1800	A	1.0	7/20
111-16-035	Swan Cove South Ck	500	A	L	8/05
111-16-040	Swan Cove Creek	2100	A	L	7/24
111-17-010	King Salmon River	16179	W	L	7/31
111-20-024	Point League Creek	150	A	L	8/05
111-20-040	N Of Point Glass	50	A	L	8/09
111-21-052	N of Bushy Island	30	A	L	8/05
111-21-053	NE of Bushy Island	200	A	L	8/05
111-21-097	N of Sanford Cove	30	A	L	8/05
111-31-036	1st S of Twin Point	500	A	1.0	8/13
111-31-040	Twin Point Creek	400	A	L	8/09
111-32-032	Taku River	9000	A	L	10/16
111-32-056	Fish Creek-Taku River	400	A	L	9/27
111-32-099	Slocum Creek	600	A	L	7/29
111-32-201	Stuhini Creek	300	A	L	9/27
111-33-010	Prospect Ck Speel A	800	A	L	8/16
111-33-030	Speel River	200	A	L	8/05
111-33-034	Speel Lake	40	W	L	9/09
111-35-006	Crescent Lake Outlet	340	F	L	8/22
111-35-008	Across From Crescent	130	A	L	9/27
111-35-020	Sweetheart Creek	100	A	L	8/05
111-40-007	Switzer Creek	79	F	L	10/09

-Continued-

Table 13. Peak escapement by individual stream for Southeastern Alaska chum salmon systems in 1984. Survey code is: (F) foot, (A) aerial, (W) weir. L. designates entire length of stream surveyed, M a survey at the mouth of a stream, T a tidal survey, and numeric values are distances in miles (continued).

Stream Number	Stream Name	Count	Method	Distance	Date
111-40-015	Salmon Creek Gast Ch	576	F	.8	7/24
111-40-020	Gold Creek	28	F	L	8/15
111-40-028	Sheep Creek	60	A	M	7/11
111-40-065	Middle Point Creek	650	F	.5	8/10
111-40-070	Hilda Ck Douglas Is	1955	F	1.5	8/10
111-41-005	Admiralty Creek	6040	F	2.5	8/06
111-41-030	Fowler Ck Young Bay	50	A	L	8/15
111-50-037	Wedleight Creek	80	A	L	8/10
111-50-042	Auke Creek	627	W	L	9/20
111-50-069	Fish Creek-Douglas Is	3380	F	.8	8/03
111-90-005	Limestone Inlet	3150	A	L	7/22
112-12-005	White Rock Creek	1000	A	L	7/24
112-12-034	N of Basket Bay	500	A	T	7/24
112-12-050	Wukuklook Creek	191	F	1.0	9/05
112-15-054	Opp Point Retreat	100	A	L	8/07
112-15-062	Robinson Creek	550	A	L	8/07
112-16-030	Wheeler Creek	650	A	L	8/15
112-09-010	Wilson River	3800	A	L	8/02
112-19-015	Wilson Cove SE	250	A	L	8/21
112-21-005	Clear River-Kelp B	4000	A	L	8/05
112-21-006	Ralphs Creek-Kelp B	1000	A	T	7/22
112-42-008	Indian River-Tenakee	950	F	L	8/10
112-42-016	Corner Bay Creek	500	A	M	7/24
112-42-025	Kadaashan Creek	52755	W	L	8/26
112-43-002	Crab Bay South Side	750	A	L	8/02
112-43-012	Crab Bay Head	421	F	2.5	8/12
112-44-010	Saltery Bay Head	250	A	L	7/31
112-45-032	Eaton Creek	37	F	.7	8/13
112-46-009	Seal Bay Head	6200	A	L	7/18
112-47-010	Long Bay Head	8430	A	L	7/31
112-48-015	Big Goose Creek	7600	A	L	7/31
112-48-023	Weat Bay Head Creek	1600	A	L	7/31
112-48-035	Tenakee Inlet Head	1000	A	L	7/31
112-50-020	Kennel Creek	1400	A	L	7/31
112-50-030	Freshwater Creek	600	A	L	8/14
112-61-006	Howard Bay West Side	100	A	L	8/22
112-61-008	Howard Bay NW Side	200	A	L	8/22
112-61-010	Point Howard Creek	3050	A	L	7/23
112-65-024	Greens Creek	1800	A	L	7/31
112-67-080	Favorite Creek	500	A	.5	7/18

-Continued-

Table 13. Peak escapement by individual stream for Southeastern Alaska chum salmon systems in 1984. Survey code is: (F) foot, (A) aerial, (W) weir. L. designates entire length of stream surveyed, M a survey at the mouth of a stream, T a tidal survey, and numeric values are distances in miles (continued).

Stream Number	Stream Name	Count	Method	Distance	Date
112-72-011	Weir Ck N Arm Hood B	1800	A	L	8/06
112-72-012	Hood Bay N Arm E Hd	600	A	L	8/09
112-73-024	Weir Ck S Arm Hood B	1755	F	1.0	9/07
112-80-028	Chaik Bay Creek	6900	A	L	8/06
112-90-014	Whitewater Creek	3000	A	L	8/21
113-22-015	Whale Bay Gt Arm Hd	1500	A	L	8/03
113-22-035	Still Harbor Head	1500	A	M	9/05
113-32-004	W Crawfish N Arm NE	7000	A	M	8/07
113-32-005	W Crawfish NE Arm Hd	30000	A	M	8/07
113-14-028	Bear Ck-Silver Bay	500	A	M	9/05
113-41-032	Salmon Lake Stream	1466	F	L	8/22
113-41-034	Camp Coogen	2000	A	L	8/16
113-41-035	Aleutkina Bay	3000	A	M	8/28
113-41-040	Sandy Cove	6000	A	L	9/02
113-41-042	Kizhuchia Ck Red Bay	44	F	L	9/10
113-41-043	Redoubt Lk Outlet	180	W	L	10/06
113-42-001	O Nerka Creek	1500	A	M	7/26
113-43-002	Nakwasina River	32000	A	L	9/13
113-44-003	Katlian River	15000	A	L	9/12
113-44-005	Katlian Bay S Fork	19000	A	L	9/02
113-53-003	Saook Bay W Head	1500	A	1.0	7/31
113-54-007	Rodman Creek	200	A	T	7/26
113-56-003	Ushk Bay W End	2025	A	T	7/27
113-57-001	Fick Cove Head	500	A	L	8/02
113-57-005	Patterson Bay W Head	200	A	T	7/19
113-58-003	Granite Creek N Arm	500	A	L	8/02
113-58-004	Hoonah Sound N Head	1000	A	L	8/02
113-59-007	Sitkoh Bay Head	203	A	.5	7/22
113-62-009	Kalinin Cove Head	4000	A	L	8/19
113-62-012	Sukoi Inlet SE Head	1000	A	L	9/06
113-65-004	Fish Bay Creek	5000	A	L	8/14
113-72-001	Chichagoff Creek	2000	A	L	9/06
113-72-005	Sister Lake SE Head	41500	A	L	8/14
113-72-006	Sister Lake SE End	4500	A	L	8/22
113-72-04A	West Sister Lake	1000	A	L	8/14
113-72-05B	Sister Lake Btn 4 & 5	4000	A	L	8/22
113-73-003	Lake Stream Ford Arm	1000	A	L	8/14
113-73-004	South Ford Arm	5003	A	L	8/22
113-73-005	Falcon Arm Head	300	A	L	8/15
113-73-006	Waterfall Cove Creek	1000	A	M	7/26

-Continued-

Table 13. Peak escapement by individual stream for Southeastern Alaska chum salmon systems in 1984. Survey code is: (F) foot, (A) aerial, (W) weir. L. designates entire length of stream surveyed, M a survey at the mouth of a stream, T a tidal survey, and numeric values are distances in miles (continued).

Stream Number	Stream Name	Count	Method	Distance	Date
113-73-010	Slocum Arm Head	6000	A	L	8/14
113-73-012	Khz Creek	3000	A	L	8/19
113-81-008	Pinta Bay Head	500	A	L	8/14
113-81-010	Black Bay N Head	4250	A	L	8/14
113-81-011	Black River	17000	A	3.0	8/05
114-23-035	Chicken Ck Icy Str	100	A	L	8/07
114-23-070	Mud Bay River	220	A	L	8/07
114-25-010	Homeshore Creek	7000	A	L	9/05
114-25-012	East Homeshore Creek	400	A	L	8/28
114-25-018	Humpy Creek	70	A	L	8/10
114-27-030	Spaaski Creek	3250	A	L	8/06
114-31-009	Gartina Creek	5100	A	L	8/14
114-31-013	Game Creek	12200	A	L	8/06
114-32-004	Seagull Creek	2400	A	L	8/07
114-32-006	Bear Ck Midway Rocks	1600	A	L	8/07
114-33-023	Neka River	10550	A	L	8/07
114-33-029	Homestead Creek	400	A	L	7/31
114-34-010	Humpback Creek	4000	A	L	7/31
114-40-035	Trail River	1650	A	L	7/31
114-50-010	Anchor Bite Creek	1000	A	L	8/14
114-50-020	Althorp Creek	900	A	L	8/07
114-70-078	W Hd of Beartrack Cv	1300	A	L	8/22
114-71-024	E Side S Hd Berg Bay	50	A	L	8/22
114-80-020	Excursion River	7750	A	L	9/05
115-10-042	St James Bay NW Side	800	A	L	7/23
115-10-046	St James River	60	A	L	8/22
115-10-065	Beardslee River	203	A	L	8/22
115-10-080	Endicott River	500	A	L	8/01
115-20-007	Johnson Creek-Berner	50	A	L	8/01
115-20-010	Berners River	800	A	L	8/01
115-20-030	Antler-Gilkey River	3130	A	L	8/01
115-20-052	Sawmill Ck Berners B	2500	A	L	7/23
115-32-025	Chilkat River	61600	A	L	11/29
115-32-030	Takhin River	3500	A	L	9/07
115-32-031	Tsirku-Big Salmon R	4500	A	L	11/29
115-32-046	Klehini River	38500	A	L	9/24
115-32-048	Herman Creek	3673	F	1.0	10/16

-Continued-

Table 13. Peak escapement by individual stream for Southeastern Alaska chum salmon systems in 1984. Survey code is: (F) foot, (A) aerial, (W) weir. L. designates entire length of stream surveyed, M a survey at the mouth of a stream, T a tidal survey, and numeric values are distances in miles (continued).

Stream Number	Stream Name	Count	Method	Distance	Date
115-32-050	Bear Ck Porcupine	6500	A	L	9/24
115-32-051	Glacier Creek	2000	A	L	9/24
115-32-053	37 Mile Creek	1000	A	L	9/24
115-32-057	31 Mile Creek	3200	A	L	9/07
115-32-058	30 Mile Slu	1304	F	L	9/21
115-32-081	18 Mile Slu	2000	A	L	11/29
115-32-46E	NSRAA Spawning Ch	906	F	L	10/16
115-32-52A	Jarvis Creek	2000	A	L	9/24
115-33-020	Chilkoot Lake Outlet	690	W	L	9/17
182-20-010	East Alsek River	15000	A	10.0	9/23

Table 14. Summary of age composition of the escapement of chum salmon in Southeastern Alaska by surveyed stream in 1984. Standard errors are in parentheses.

Sex/ Age	Stream (District)					
	Beaver Falls Hatchery (101)	Disappearance Creek (102)	Klawock Hatchery (103)	Stikene River (108)	Security Bay (109)	Port Candid (109)
Male						
02	22.4(1.9)	9.4(1.3)	11.0(1.8)	6.4(1.4)	5.8(2.5)	5.6(3.9)
03	26.5(2.0)	54.4(2.1)	34.7(2.7)	56.5(2.9)	30.2(5.0)	27.8(7.6)
04	0.8(0.4)	4.1(0.9)	0.3(0.3)	7.0(1.5)		
05						
Female						
02	15.6(1.6)	2.4(0.7)	6.6(1.4)	5.4(1.3)	5.8(2.5)	16.7(6.3)
03	33.5(2.1)	28.1(1.9)	46.4(2.8)	22.7(2.4)	57.0(5.4)	50.0(8.5)
04	1.0(0.5)	1.5(0.5)	0.9(0.5)	2.0(0.8)	1.2(1.2)	
05						
Both Sexes						
02	38.0(2.2)	11.8(1.4)	17.6(2.1)	11.8(0.0)	11.6(3.5)	22.3(7.0)
03	60.0(2.2)	82.5(1.6)	81.1(2.2)	79.2(0.0)	87.2(3.6)	77.8(7.0)
04	1.8(0.6)	5.6(1.0)	1.2(0.6)	9.0(0.0)	1.2(1.2)	
05						

-Continued-

Table 14. Summary of age composition of the escapement of chum salmon in Southeastern Alaska by surveyed stream in 1984. Standard errors are in parentheses (continued).

Sex/ Age	Stream (District)					
	Farragut River (110)	Admiralty Creek (111)	Limestone Creek (111)	Taku River (111)	Middle Point Creek (111)	Salmon Creek (111)
Male						
02	7.1(7.1)	1.0(0.6)	.4(0.4)	1.8(0.8)	0.5(0.3)	0.2(0.2)
03	64.3(13.3)	30.2(2.7)	39.2(3.2)	40.4(2.9)	41.5(2.4)	49.2(2.2)
04	28.6(12.5)	1.7(0.8)	4.0(1.3)	8.9(1.7)	0.7(0.4)	2.5(0.7)
05						
Female						
02		1.7(0.8)	0.9(0.6)	0.4(0.4)	0.7(0.4)	1.1(0.5)
03		54.9(2.9)	52.0(3.3)	43.9(3.0)	46.1(2.5)	44.3(2.2)
04		2.8(1.0)	2.6(1.1)	4.3(1.2)	0.7(0.4)	1.1(0.5)
05						
Both Sexes						
02	7.1(7.1)	2.7(1.0)	1.3(0.8)	2.2(0.9)	1.2(0.5)	1.3(0.5)
03	64.3(13.3)	85.1(1.6)	91.2(1.8)	84.3(2.2)	87.6(0.8)	93.5(1.1)
04	28.6(12.5)	4.5(1.4)	6.6(1.7)	13.2(2.0)	1.4(0.6)	3.6(0.8)
05						

-Continued-

Table 14. Summary of age composition of the escapement of chum salmon in Southeastern Alaska by surveyed stream in 1984. Standard errors are in parentheses (continued).

Sex/ Age	Fish Creek (111)	Stream (District)					
		Snettisham Area Creeks (111)	Snettisham Hatchery (111)	Gravel Creek (111)	Crater Creek (111)	Montana Creek (111)	Hidden Falls Hatchery (112)
Male							
02		2.5(0.9)	39.1(10.4)	4.4(1.8)	1.4(1.4)	0.2(0.2)	4.9(0.6)
03	44.2(2.1)	19.0(2.4)	4.3(4.3)	23.4(3.6)	28.8(5.3)	21.6(1.8)	37.6(1.2)
04	2.0(0.6)					27.9(1.9)	1.1(0.3)
05	0.2(0.2)					0.9(0.4)	
Female							
02	0.2(0.2)	1.8(0.8)	47.8(10.6)	2.9(1.4)	1.4(1.4)		2.3(0.4)
03	51.1(2.1)	16.5(2.2)	8.7(6.0)	21.9(3.5)	21.9(4.9)	17.3(1.6)	52.6(1.3)
04	2.4(0.6)	0.4(0.4)		0.7(0.7)		30.7(2.0)	1.6(0.3)
05						0.9(0.4)	
Both Sexes							
02	0.2(0.2)	7.5(1.6)	86.9(7.2)	10.9(2.2)	2.8(1.9)	0.2(0.2)	7.2(0.7)
03	95.3(0.9)	89.2(1.9)	13.0(7.2)	86.1(4.3)	94.5(5.9)	39.1(2.1)	90.2(2.7)
04	4.4(0.9)	3.2(1.1)		2.9(0.7)		58.9(2.1)	2.7(0.4)
05	0.2(0.2)					1.8(0.6)	

-Continued-

Table 14. Summary of age composition of the escapement of chum salmon in Southeastern Alaska by surveyed stream in 1984. Standard errors are in parentheses (continued).

Sex/ Age	Stream (District)					
	Kadashan River (112)	West Bay Head Creek (112)	Clear River (112)	Chaik River Early Run (112)	Chaik River Late Run (112)	Black Bay (113)
Male						
02	0.6(0.4)	0.2(0.2)	1.7(0.6)	0.6(0.4)	2.4(0.7)	4.9(1.8)
03	43.5(2.3)	37.8(2.2)	35.8(2.2)	56.5(2.7)	44.1(2.3)	43.8(4.1)
04	9.2(1.3)	4.7(1.0)	13.3(1.6)	0.9(0.5)	0.4(0.3)	6.3(2.0)
05						
Female						
02	0.2(0.2)		0.8(0.4)	1.2(0.6)	1.5(0.6)	4.2(1.7)
03	37.4(2.2)	48.0(2.3)	35.6(2.2)	39.6(2.7)	50.7(2.3)	30.6(3.9)
04	8.8(1.3)	7.6(1.2)	12.7(1.5)	1.2(0.6)	0.9(0.4)	10.4(2.6)
05	0.2(0.2)					
Both Sexes						
02	0.8(0.4)	0.2(0.2)	2.5(0.7)	1.8(0.7)	3.9(0.9)	9.1(2.4)
03	80.9(1.8)	87.3(1.5)	71.4(2.1)	96.1(1.1)	94.8(1.0)	74.4(3.6)
04	18.0(1.8)	12.5(1.5)	26.0(2.0)	2.1(0.8)	1.3(0.5)	16.7(3.1)
05	0.2(0.2)					

-Continued-

Table 14. Summary of age composition of the escapement of chum salmon in Southeastern Alaska by surveyed stream in 1984. Standard errors are in parentheses (continued).

Sex/ Age	Stream (District)					
	Medvejie Creek (113)	Salmon Lake (113)	Sisters Lake (113)	Nakwasina River (113)	Katlian River (113)	Spasski Creek (114)
Male						
02	22.7(3.2)	4.2(1.3)	2.1(0.7)	0.8(0.4)	0.2(0.2)	0.3(0.3)
03	18.8(3.0)	35.1(3.0)	43.7(2.6)	50.3(2.2)	49.7(2.2)	53.4(2.5)
04	7.4(2.0)	13.1(2.1)	0.5(0.4)	6.2(1.0)	3.6(0.8)	5.2(1.1)
05		0.8(0.5)				
Female						
02	17.0(2.8)	3.5(1.1)	1.9(0.7)	0.8(0.4)	0.9(0.4)	0.3(0.3)
03	25.0(3.3)	27.8(2.8)	50.9(2.6)	36.0(2.1)	43.0(2.1)	36.3(2.4)
04	9.1(2.2)	13.1(2.1)	0.3(0.3)	5.6(1.0)	2.4(0.7)	4.6(1.1)
05			0.4(0.3)	0.4(0.3)		
Both Sexes						
02	39.7(3.7)	7.9(1.7)	4.0(1.0)	1.6(0.5)	1.1(0.5)	0.6(0.4)
03	43.8(3.8)	64.4(3.0)	95.2(1.2)	86.3(1.5)	92.9(1.1)	89.7(1.5)
04	16.5(2.8)	26.8(2.8)	0.8(0.5)	11.8(1.4)	6.0(1.0)	9.8(1.5)
05		0.8(0.5)		0.4(0.3)		

-Continued-

Table 14. Summary of age composition of the escapement of chum salmon in Southeastern Alaska by surveyed stream in 1984. Standard errors are in parentheses (continued).

Sex/ Age	Stream (District)				
	Gartine Creek (114)	Game Creek (114)	Humpback River (114)	Neka River (114)	Neka River (egg take) (114)
Male					
02	1.0(0.4)		0.2(0.2)	0.6(0.4)	1.7(0.6)
03	48.2(2.2)	37.6(2.9)	34.9(2.2)	34.6(2.5)	49.1(2.2)
04	7.5(1.2)	16.3(2.2)	6.1(1.1)	10.3(1.6)	5.4(1.0)
05				0.6(0.4)	0.2(0.2)
Female					
02	0.4(0.3)	0.4(0.4)	0.6(0.4)		2.3(0.7)
03	38.3(4.6)	28.0(2.7)	51.0(6.6)	37.7(2.6)	79.6(1.8)
04	4.6(0.9)	17.0(2.2)	6.6(1.1)	8.9(1.5)	12.9(1.5)
05			0.4(0.3)		5.8(1.0)
					0.2(0.2)
Both Sexes					
02	1.4(0.5)	0.4(0.4)	0.8(0.4)	0.6(0.4)	2.3(0.7)
03	86.5(1.5)	66.3(2.8)	86.1(1.6)	77.9(2.4)	83.7(1.6)
04	12.1(1.4)	33.3(2.8)	12.7(1.5)	20.9(2.1)	13.9(1.5)
05			0.4(0.3)	0.6(0.4)	11.2(1.4)
					0.4(0.3)

-Continued-

Table 14. Summary of age composition of the escapement of chum salmon in Southeastern Alaska by surveyed stream in 1984. Standard errors are in parentheses (continued).

Sex/ Age	Stream (District)					
	Sawmill Creek (115)	Lace River (115)	Herman Creek (115)	Klehini River (115)	Chilkat River (31 Mile) (115)	Chilkat River (24 Mile) (115)
Male						
02	1.0(0.7)	1.6(0.9)	4.2(0.9)	6.5(1.1)	7.2(1.1)	9.4(2.6)
03	60.7(3.5)	47.5(3.7)	39.9(2.1)	51.8(2.2)	43.4(2.1)	39.8(4.3)
04	8.7(2.0)	2.7(1.2)	4.2(0.9)	5.0(0.9)	8.9(1.2)	6.3(2.2)
05	1.5(0.9)				0.4(0.3)	
Female						
02	0.5(0.5)	0.5(0.5)	0.9(0.4)	1.5(0.5)	3.7(0.8)	3.9(1.7)
03	21.4(2.9)	44.3(3.7)	46.2(2.1)	32.2(2.0)	27.9(1.9)	34.4(4.2)
04	5.6(1.6)	3.3(1.3)	4.6(0.9)	3.1(0.8)	8.7(1.2)	6.3(2.2)
05	0.5(0.5)					
Both Sexes						
02	1.5(0.9)	2.1(1.1)	5.1(0.9)	8.0(1.2)	10.9(1.3)	13.3(3.0)
03	82.1(2.7)	91.8(2.0)	86.1(1.5)	84.0(1.6)	71.3(1.9)	74.2(3.9)
04	14.3(2.5)	6.0(1.8)	8.8(1.2)	8.1(1.2)	17.6(1.6)	12.6(2.9)
05	2.0(1.0)				0.4(0.3)	

Table 15. Summary of average length of the escapement of chum salmon to Southeastern Alaska by surveyed stream in 1984. Standard errors are in parentheses.

Sex/ Age	Beaver Falls Hatchery (101)	Disappearance Creek (102)	Stream (District)			
			Klawock Hatchery (103)	Stikene River (108)	Security Bay (109)	Port Camden (109)
Male						
02	605(2.8)	585(4.8)	644(12.8)	656(13.4)	627(9.2)	615(10.0)
03	643(3.0)	633(2.0)	662(4.4)	683(4.0)	653(6.7)	626(12.3)
04	695(16.7)	670(6.2)	810(----)	698(12.9)		
05						
Female						
02	611(3.1)	590(6.2)	662(11.7)	614(10.3)	634(17.2)	589(11.5)
03	645(2.6)	636(2.4)	684(3.2)	633(4.0)	638(4.3)	629(5.3)
04	675(13.4)	628(23.5)	678(7.5)	672(17.5)	711(---)	
05						

-Continued-

Table 15. Summary of average length of the escapement of chum salmon in Southeastern Alaska by surveyed stream in 1984. Standard errors are in parentheses (continued).

Sex/ Age	Stream (District)					
	Farragut River (110)	Admiralty Creek (111)	Limestone Creek (111)	Taku River (111)	Middle Point Creek (111)	Salmon Creek (111)
Male						
02	640(---)	538(10.9)	630(----)	625(22.1)	592(17.5)	620(----)
03	643(17.0)	606(3.7)	660(3.8)	644(3.9)	607(3.5)	640(2.3)
04	695(19.4)	642(10.5)	705(9.5)	698(8.2)	670(---)	707(9.0)
05						680(----)
Female						
02		567(13.0)	610(10.0)	570(---)	577(12.0)	598(18.5)
03		588(2.3)	625(2.8)	618(3.4)	578(2.0)	604(1.8)
04		589(13.5)	667(13.7)	653(7.3)	597(1.7)	642(12.9)
05						

-Continued-

Table 15. Summary of average length of the escapement of chum salmon in Southeastern Alaska by surveyed stream in 1984. Standard errors are in parentheses (continued).

Sex/ Age	Fish Creek (111)	Stream (District)				West Bay Head Creek (112)
		Snettisham Hatchery (111)	Montana Creek (111)	Hidden Falls Hatchery (112)	Kadashan River (112)	
Male						
02		604(3.9)	620(----)	578(5.0)	586(21.9)	670(----)
03	628(2.6)	634(2.1)	633(4.0)	614(2.0)	629(3.0)	678(2.7)
04	690(9.7)	697(12.3)	703(3.2)	660(8.3)	684(6.5)	725(7.7)
05	720(----)		726(18.1)			
Female						
02	550(----)	610(4.3)		582(5.2)	606(----)	
03	601(2.6)	616(1.9)	626(3.8)	612(1.5)	612(2.3)	623(2.2)
04	640(9.6)	662(20.4)	656(2.5)	644(8.2)	652(5.0)	651(5.8)
05	634(----)		647(10.1)		730(----)	

-Continued -

Table 15. Summary of average length of the escapement of chum salmon in Southeastern Alaska by surveyed stream in 1984. Standard errors are in parentheses (continued).

Sex/ Age	Stream (District)						
	Clear River (112)	Chaik River Early Run (112)	Chaik River Late Run (112)	Sisters Lake (113)	Medvejie Creek (113)	Salmon Lake (113)	Sisters Lake (113)
Male							
02	623(17.0)	600(50.0)	625(10.9)	619(10.1)	598(6.2)	640(20.9)	619(10.1)
03	657(3.2)	639(3.0)	628(2.4)	636(2.8)	629(6.8)	654(3.8)	636(2.8)
04	693(6.3)	662(27.7)	675(25.0)	678(27.5)	653(15.5)	682(6.9)	678(27.5)
05						720(----)	
Female							
02	625(23.6)	592(16.9)	611(10.9)	596(7.2)	584(4.9)	587(11.9)	596(7.2)
03	620(3.1)	600(2.6)	606(4.2)	614(2.1)	623(4.9)	626(4.2)	614(2.1)
04	653(4.4)	665(20.0)	659(9.4)	575(----)	656(8.1)	637(6.7)	575(----)
05							

-Continued-

Table 15. Summary of average length of the escapement of chum salmon in Southeastern Alaska by surveyed stream in 1984. Standard errors are in parentheses (continued).

Sex/ Age	Stream (District)					
	Nakwasina River (113)	Katlian River (113)	Spasski Creek (114)	Gartina Creek (114)	Game Creek (114)	Humpback River (114)
Male						
02	620(19.0)	640(---)	630(----)	587(17.8)		655(----)
03	665(2.2)	669(2.2)	625(2.8)	601(2.5)	625(3.8)	638(2.9)
04	700(6.6)	707(9.4)	690(11.9)	644(6.8)	673(5.9)	679(5.9)
05						
Female						
02	572(5.6)	605(9.5)	630(----)	612(27.5)	560(----)	612(18.8)
03	622(2.0)	624(1.9)	590(2.5)	588(2.4)	586(3.7)	593(1.9)
04	668(5.7)	662(7.7)	624(6.9)	611(5.8)	622(4.1)	635(4.9)
05	705(30.0)					638(47.5)

-Continued-

Table 15. Summary of average length of the escapement of chum salmon in Southeastern Alaska by surveyed stream in 1984. Standard errors are in parentheses (continued).

Sex/ Age	Neka River (114)	Stream (District)			
		Neka River (egg take) (114)	Excursion River (114)	Sawmill Creek (115)	Lace River (115)
Male					
02	578(2.5)		622(4.5)	627(27.5)	598(7.3)
03	616(3.8)	644(8.7)	645(2.1)	651(3.6)	648(3.7)
04	649(8.7)	632(17.0)	683(6.4)	692(11.8)	712(19.8)
05	683(32.5)		650(----)	688(54.6)	
Female					
02		592(4.8)	584(10.6)	595(----)	525(----)
03	593(2.8)	608(1.5)	616(2.2)	618(5.7)	615(4.4)
04	630(4.8)	645(4.2)	646(6.8)	645(11.7)	635(14.6)
05				680(----)	

-Continued-

Table 15. Summary of average length of the escapement of chum salmon in Southeastern Alaska by surveyed stream in 1984. Standard errors are in parentheses (continued).

Sex/ Age	Klehini River (115)	Stream (District)	
		Chilkat River (31 Mile) (115)	Chilkat River (24 Mile) (115)

Male			
02	612(6.2)	601(4.9)	632(10.5)
03	661(1.9)	654(2.3)	654(4.5)
04	707(5.1)	708(5.7)	694(8.1)
05		745(10.0)	
Female			
02	596(11.1)	598(5.8)	611(9.1)
03	638(2.2)	629(2.7)	639(4.7)
04	686(7.4)	668(5.3)	680(19.0)
05			

Table 16. Description of the migratory time distributions of selected Southeastern Alaska chum salmon migrations, 1984.

Weir	Mean (Date)	Variance (Days Squared)	Date of 25% Passage	Median	Date of 75% Passage	Comments
Disappearance Creek	Sept. 27	88.44	Sept. 18	Oct. 1	Oct. 5	Counts tended to be sporadic during first part of run. Larger daily counts near end of migration
Klawock Hatchery	Sept. 23	66.30	Sept. 17	Sept. 22	Sept. 29	Consistent counts with 2 modes; Sept. 15-18 and Sept. 29. 90,000 chums remained below weir
Redoubt Lake	Aug. 14	301.81	Aug. 1	Aug. 16	Aug. 26	Consistent counts. Small number of chums counted (180).
Hugh Smith Lake	Oct. 7	101.24	Oct. 4	Oct. 9	Oct. 12	Consistent counts, with a definite peak of Oct 9 - 12. Small number of chums counted (185)
Crescent Lake	Aug. 27	61.55	Aug. 22	Aug. 30	Sept. 3	Counts peaked near end of weir operation (positively skewed). Mode at Sept. 4
Auke Creek	Aug. 22	37.66	Aug. 20	Aug. 22	Aug. 25	Counts peaked Aug. 21 - Aug. 25. Large, consistent counts early (negatively skewed)
Kadashan River	July 28	82.45	July 22	July 28	Aug. 4	No noticeable difference in east and west forks of river. Sporadic daily counts with many modes.
Chilkoot River	Aug. 31	175.45	Aug. 27	Sept. 5	Sept. 10	Negatively Skewed. Counts sporadic early in migration, consistent later in migration.

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APPENDICES

Appendix Table 1. District 101 commercial gill net catch of chum salmon; age and sex composition by sampling period, 1984.

	Age Group				
	02	03	04	05	Total
Stat. Week 25 (06/17/84 to 06/23/84)					
Male					
Sample Number	3	104	16		123
Percent	1.0	34.9	5.4		41.3
Std. Error	0.6	2.8	1.3		2.9
Number	95	3318	513		3926
Female					
Sample Number	5	145	25		175
Percent	1.7	48.7	8.4		58.8
Std. Error	0.8	2.9	1.6		2.9
Number	162	4630	799		5591
Sexes Combined					
Sample Number	8	249	41		298
Percent	2.7	83.6	13.8		100.0
Std. Error	0.9	2.1	2.0		---
Number	257	7948	1312		9507
Stat. Week 26 (06/24/84 to 06/30/84)					
Male					
Sample Number	1	96	4		101
Percent	0.4	38.9	1.6		40.9
Std. Error	0.4	3.1	0.8		3.1
Number	61	5955	245		6261
Female					
Sample Number	2	134	10		146
Percent	0.8	54.3	4.0		59.1
Std. Error	0.6	3.2	1.2		3.1
Number	122	8312	612		9046
Sexes Combined					
Sample Number	3	230	14		247
Percent	1.2	93.2	5.6		100.0
Std. Error	0.7	1.6	1.5		---
Number	184	14267	857		15308

-Continued-

Appendix Table 1. District 101 commercial gill net catch of chum salmon;
age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total

Stat. Week 27 (07/01/84 to 07/07/84)

Male					
Sample Number	1	53	7		61
Percent	0.5	28.8	3.8		33.1
Std. Error	0.5	3.3	1.4		3.5
Number	104	6015	794		6913
Female					
Sample Number	4	107	12		123
Percent	2.2	58.2	6.5		66.9
Std. Error	1.1	3.6	1.8		3.5
Number	459	12156	1358		13973
Sexes Combined					
Sample Number	5	160	19		184
Percent	2.7	87.0	10.3		100.0
Std. Error	1.2	2.5	2.2		----
Number	564	18171	2151		20886

Stat. Week 28 (07/08/84 to 07/14/84)

Male					
Sample Number	9	47	1		57
Percent	4.9	25.4	0.5		30.8
Std. Error	1.6	3.2	0.5		3.4
Number	1221	6331	125		7677
Female					
Sample Number	13	110	5		128
Percent	7.0	59.5	2.7		69.2
Std. Error	1.9	3.6	1.2		3.4
Number	1745	14830	673		17248
Sexes Combined					
Sample Number	22	157	6		185
Percent	11.9	84.9	3.2		100.0
Std. Error	2.4	2.6	1.3		----
Number	2966	21161	798		24925

-Continued-

Appendix Table 1. District 101 commercial gill net catch of chum salmon;
age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total
Stat. Week 29 (07/15/84 to 07/21/84)					
Male					
Sample Number	19	39	1		59
Percent	10.1	20.7	0.5		31.3
Std. Error	2.2	3.0	0.5		3.4
Number	3975	8148	197		12320
Female					
Sample Number	36	91	2		129
Percent	19.1	48.4	1.1		68.6
Std. Error	2.9	3.7	0.8		3.4
Number	7518	19050	433		27001
Sexes Combined					
Sample Number	55	130	3		188
Percent	29.2	69.1	1.6		100.0
Std. Error	3.3	3.4	0.9		---
Number	11493	27198	630		39360
Stat. Week 30 (07/22/84 to 07/28/84)					
Male					
Sample Number	20	61	2		83
Percent	11.1	33.9	1.1		46.1
Std. Error	2.3	3.5	0.8		3.7
Number	3321	10144	329		13794
Female					
Sample Number	20	77			97
Percent	11.1	42.8			53.9
Std. Error	2.3	3.7			3.7
Number	3321	12807			16128
Sexes Combined					
Sample Number	40	138	2		180
Percent	22.2	76.7	1.1		100.0
Std. Error	3.1	3.2	0.8		---
Number	6643	22950	329		29922

-Continued-

Appendix Table 1. District 101 commercial gill net catch of chum salmon;
age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total

Stat. Week 31 (07/29/84 to 08/04/84)

Male					
Sample Number	25	60	1		86
Percent	12.2	29.3	0.5		42.0
Std. Error	2.3	3.2	0.5		3.5
Number	2088	5015	86		7189
Female					
Sample Number	33	84	2		119
Percent	16.1	41.0	1.0		58.1
Std. Error	2.6	3.4	0.7		3.5
Number	2756	7017	171		9944
Sexes Combined					
Sample Number	58	144	3		205
Percent	28.3	70.3	1.5		100.0
Std. Error	3.2	3.2	0.9		---
Number	4844	12032	257		17115

Stat. Week 32 (08/05/84 to 08/11/84)

Male					
Sample Number	15	63	1		79
Percent	5.3	22.4	0.4		28.1
Std. Error	1.3	2.5	0.4		2.7
Number	750	3168	57		3975
Female					
Sample Number	34	162	6		202
Percent	12.1	57.7	2.1		71.9
Std. Error	1.9	3.0	0.9		2.7
Number	1712	8162	297		10171
Sexes Combined					
Sample Number	49	225	7		281
Percent	17.4	80.1	2.5		100.0
Std. Error	2.3	2.4	0.9		---
Number	2461	11330	354		14145

-Continued-

Appendix Table 1. District 101 commercial gill net catch of chum salmon;
age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total

Stat. Week 33 (08/12/84 to 08/18/84)

Male					
Sample Number	18	60			78
Percent	8.5	28.2			36.7
Std. Error	1.9	3.1			3.3
Number	1014	3366			4380
Female					
Sample Number	33	101	1		135
Percent	15.5	47.4	0.5		63.4
Std. Error	2.5	3.4	0.5		3.3
Number	1850	5657	60		7567
Sexes Combined					
Sample Number	51	161	1		213
Percent	24.0	75.6	0.5		100.0
Std. Error	2.9	2.9	0.5		---
Number	2864	9023	60		11935

Stat. Week 34 (08/19/84 to 08/25/84)

Male					
Sample Number	18	58	3		79
Percent	9.3	29.9	1.5		40.7
Std. Error	2.1	3.3	0.9		3.5
Number	882	2835	142		3859
Female					
Sample Number	17	97	1		115
Percent	8.8	50.0	0.5		59.3
Std. Error	2.0	3.6	0.5		3.5
Number	834	4740	47		5621
Sexes Combined					
Sample Number	35	155	4		194
Percent	18.1	79.9	2.0		100.0
Std. Error	2.8	2.9	1.0		---
Number	1716	7575	190		9480

-Continued-

Appendix Table 1. District 101 commercial gill net catch of chum salmon;
age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total

Stat. Week 35 (08/26/84 to 09/01/84)

Male					
Sample Number	15	92	3		110
Percent	6.6	40.4	1.3		48.3
Std. Error	1.6	3.3	0.8		3.3
Number	817	5001	161		5979
Female					
Sample Number	12	101	5		118
Percent	5.3	44.3	2.2		51.8
Std. Error	1.5	3.3	1.0		3.3
Number	656	5484	272		6412
Sexes Combined					
Sample Number	27	193	8		228
Percent	11.9	84.7	3.5		100.0
Std. Error	2.1	2.4	1.2		----
Number	1473	10485	433		12379

Stat. Week 36 (09/02/84 to 09/08/84)

Male					
Sample Number	7	99	8		114
Percent	2.6	36.3	2.9		41.8
Std. Error	1.0	2.9	1.0		3.0
Number	136	1892	151		2179
Female					
Sample Number	12	139	7	1	159
Percent	4.4	50.9	2.6	0.4	58.3
Std. Error	1.2	3.0	1.0	0.4	3.0
Number	229	2653	136	21	3039
Sexes Combined					
Sample Number	19	238	15	1	273
Percent	7.0	87.2	5.5	0.4	100.0
Std. Error	1.5	2.0	1.4	0.4	----
Number	365	4545	287	21	5212

-Continued-

Appendix Table 1. District 101 commercial gill net catch of chum salmon;
age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total

Stat. Week 37 (09/09/84 to 09/15/84)

Male					
Sample Number	3	65	1		69
Percent	1.6	34.8	0.5		36.9
Std. Error	0.9	3.5	0.5		3.5
Number	117	2541	37		2695
Female					
Sample Number	10	105	3		118
Percent	5.3	56.1	1.6		63.0
Std. Error	1.6	3.6	0.9		3.5
Number	387	4096	117		4600
Sexes Combined					
Sample Number	13	170	4		187
Percent	6.9	90.9	2.1		100.0
Std. Error	1.9	2.1	1.1		---
Number	504	6638	153		7302

Stat. Week 38 (09/16/84 to 09/22/84)

Male					
Sample Number	4	62	2		68
Percent	2.3	35.2	1.1		38.6
Std. Error	1.1	3.6	0.8		3.7
Number	234	3584	112		3930
Female					
Sample Number	8	99	1		108
Percent	4.5	56.3	0.6		61.4
Std. Error	1.6	3.7	0.6		3.7
Number	458	5732	61		6251
Sexes Combined					
Sample Number	12	161	3		176
Percent	6.8	91.5	1.7		100.0
Std. Error	1.9	2.1	1.0		---
Number	692	9317	173		10182

-Continued-

Appendix Table 1. District 101 commercial gill net catch of chum salmon;
age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total
Combined Periods (Percentages are weighted by period catches)					
Male					
Sample Number	158	959	50		1167
Percent	6.5	29.6	1.3		37.4
Std. Error	0.6	1.0	0.2		1.1
Number	14815	67313	2949		85144
Female					
Sample Number	239	1552	80	1	1872
Percent	9.8	50.7	2.2	0.0	62.7
Std. Error	0.7	1.1	0.3	0.0	1.1
Number	22209	115326	5036	21	142742
Sexes Combined					
Sample Number	397	2511	130	1	3039
Percent	16.3	80.3	3.5	0.0	100.0
Std. Error	0.8	0.9	0.4	0.0	----
Number	37026	182640	7984	21	227658

Appendix Table 2. District 101 commercial gill net catch of chum salmon;
Length (mm) by sex, age, and sampling period, 1984.

	Age Group			
	02	03	04	05

Stat. Week 25 (06/17/84 to 06/23/84)

Males

Ave. Length	662	736	762
Std. Error	15.9	4.0	9.4
Sample Size	3	104	16

Females

Ave. Length	641	686	722
Std. Error	27.3	3.2	7.3
Sample Size	5	144	25

Stat. Week 26 (06/24/84 to 06/30/84)

Males

Ave. Length	715	723	754
Std. Error	---	4.8	29.0
Sample Size	1	96	4

Females

Ave. Length	621	681	724
Std. Error	40.5	3.6	7.8
Sample Size	2	134	10

Stat. Week 27 (07/01/84 to 07/07/84)

Males

Ave. Length	625	707	731
Std. Error	---	5.7	25.4
Sample Size	1	53	7

Females

Ave. Length	620	660	675
Std. Error	34.0	6.8	15.0
Sample Size	4	106	12

-Continued-

Appendix Table 2. District 101 commercial gill net catch of chum salmon; length (mm) by sex, age, and sampling period, 1984
(continued).

	Age Group			
	02	03	04	05

Stat. Week 28 (07/08/84 to 07/14/84)

Males				
Ave. Length	640	696	770	
Std. Error	11.7	7.0	---	
Sample Size	9	47	1	
Females				
Ave. Length	640	666	697	
Std. Error	14.0	4.1	15.9	
Sample Size	13	110	5	

Stat. Week 29 (07/15/84 to 07/21/84)

Males				
Ave. Length	654	701	800	
Std. Error	9.1	8.5	---	
Sample Size	18	38	1	
Females				
Ave. Length	633	657	693	
Std. Error	7.2	4.5	7.5	
Sample Size	36	91	2	

Stat. Week 30 (07/22/84 to 07/28/84)

Males				
Ave. Length	639	676	700	
Std. Error	8.2	5.5	20.0	
Sample Size	20	61	2	
Females				
Ave. Length	616	654		
Std. Error	5.2	5.3		
Sample Size	20	77		

-Continued-

Appendix Table 2. District 101 commercial gill net catch of chum salmon;
length (mm) by sex, age, and sampling period, 1984
(continued).

	Age Group			
	02	03	04	05

Stat. Week 31 (07/29/84 to 08/04/84)

Males				
Ave. Length	641	674	660	
Std. Error	6.5	7.5	---	
Sample Size	25	60	1	
Females				
Ave. Length	611	657	643	
Std. Error	5.4	5.4	22.5	
Sample Size	33	84	2	

Stat. Week 32 (08/05/84 to 08/11/84)

Males				
Ave. Length	621	663	725	
Std. Error	11.5	6.3	---	
Sample Size	15	63	1	
Females				
Ave. Length	607	641	658	
Std. Error	6.3	3.4	16.4	
Sample Size	34	162	6	

Stat. Week 33 (08/12 to 08/18/84)

Males				
Ave. Length	585	637		
Std. Error	9.7	5.9		
Sample Size	18	60		
Females				
Ave. Length	597	616	765	
Std. Error	8.6	3.3	---	
Sample Size	33	101	1	

-Continued-

Appendix Table 2. District 101 commercial gill net catch of chum salmon; length (mm) by sex, age, and sampling period, 1984
(continued).

	Age Group			
	02	03	04	05

Stat. Week 34 (08/19/84 to 08/25/84)

Males

Ave. Length	611	644	698
Std. Error	9.9	5.8	35.9
Sample Size	18	58	3

Females

Ave. Length	597	634	695
Std. Error	9.5	4.7	---
Sample Size	17	97	1

Stat. Week 35 (08/26/84 to 09/01/84)

Males

Ave. Length	608	625	697
Std. Error	16.2	6.9	29.6
Sample Size	15	91	3

Females

Ave. Length	617	632	673
Std. Error	9.1	3.3	12.3
Sample Size	12	101	5

Stat. Week 36 (09/02/84 to 09/08/84)

Males

Ave. Length	602	625	633
Std. Error	21.7	3.1	13.0
Sample Size	7	98	8

Females

Ave. Length	604	627	649	650
Std. Error	9.5	2.5	11.6	---
Sample Size	12	139	7	1

-Continued-

Appendix Table 2. District 101 commercial gill net catch of chum salmon;
 length (mm) by sex, age, and sampling period, 1984
 (continued).

	Age Group			
	02	03	04	05
Stat. Week 37 (09/09/84 to 09/15/84)				
Males				
Ave. Length	613	622	635	
Std. Error	15.9	4.7	---	
Sample Size	3	65	1	
Females				
Ave. Length	588	624	632	
Std. Error	12.5	2.4	19.2	
Sample Size	10	105	3	
Stat. Week 38 (09/16/84 to 09/22/84)				
Males				
Ave. Length	603	620	648	
Std. Error	16.1	3.9	42.5	
Sample Size	4	61	2	
Females				
Ave. Length	619	635	600	
Std. Error	11.2	2.7	---	
Sample Size	8	98	1	

Appendix Table 3. District 101 commercial purse seine catch of chum salmon;
age and sex composition by sampling period, 1984.

	Age Group				
	02	03	04	05	Total
Stat. Week 28 (07/08/84 to 07/14/84)					
Male					
Sample Number	5	112	3		120
Percent	2.1	46.3	1.2		49.6
Std. Error	0.9	3.2	0.7		3.2
Number	132	2,901	75		3,108
Female					
Sample Number	2	112	8		122
Percent	0.8	46.3	3.3		50.4
Std. Error	0.6	3.2	1.2		3.2
Number	50	2,901	207		3,158
Sexes Combined					
Sample Number	7	224	11		242
Percent	2.9	92.6	4.5		100.0
Std. Error	1.1	1.7	1.3		---
Number	182	5,801	282		6,265
Stat. Week 29 (07/15/84 to 07/21/84)					
Male					
Sample Number	6	56	5		67
Percent	3.3	30.6	2.7		36.6
Std. Error	1.3	3.4	1.2		3.6
Number	841	7,798	688		9,327
Female					
Sample Number	21	92	3		116
Percent	11.5	50.3	1.6		63.4
Std. Error	2.4	3.7	0.9		3.6
Number	2,931	12,818	408		16,157
Sexes Combined					
Sample Number	27	148	8		183
Percent	14.8	80.9	4.3		100.0
Std. Error	2.6	2.9	1.5		---
Number	3,771	20,616	1,096		25,483

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Appendix Table 3. District 101 commercial purse seine catch of chum salmon;
age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total
Stat. Week 30 (07/22/84 to 07/28/84)					
Male					
Sample Number	17	132	9		158
Percent	4.5	35.3	2.4		42.2
Std. Error	1.1	2.5	0.8		2.6
Number	870	6,828	464		8,162
Female					
Sample Number	24	183	9		216
Percent	6.4	48.9	2.4		57.7
Std. Error	1.3	2.6	0.8		2.6
Number	1,238	9,458	464		11,160
Sexes Combined					
Sample Number	41	315	18		374
Percent	10.9	84.2	4.8		100.0
Std. Error	1.6	1.9	1.1		---
Number	2,108	16,286	928		19,342
Stat. Week 31 (07/29/84 to 08/04/84)					
Male					
Sample Number	21	116	2		139
Percent	5.5	30.4	0.5		36.4
Std. Error	1.2	2.4	0.4		2.5
Number	1,958	10,823	178		12,959
Female					
Sample Number	31	207	4		242
Percent	8.1	54.3	1.0		63.4
Std. Error	1.4	2.6	0.5		2.5
Number	2,884	19,332	356		22,572
Sexes Combined					
Sample Number	52	323	6		381
Percent	13.6	84.7	1.5		100.0
Std. Error	1.8	1.8	0.6		---
Number	4,842	30,155	534		35,602

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Appendix Table 3. District 101 commercial purse seine catch of chum salmon; age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total
Stat. Week 32 (08/05/84 to 08/11/84)					
Male					
Sample Number	6	24	1		31
Percent	7.3	29.3	1.2		37.8
Std. Error	2.9	5.1	1.2		5.4
Number	4,344	17,435	714		22,493
Female					
Sample Number	4	44	3		51
Percent	4.9	53.7	3.7		62.3
Std. Error	2.4	5.5	2.1		5.4
Number	2,916	31,954	2,202		37,072
Sexes Combined					
Sample Number	10	68	4		82
Percent	12.2	83.0	4.9		100.0
Std. Error	3.6	4.2	2.4		-----
Number	7,260	49,389	2,916		59,505
Stat. Week 33 (08/12/84 to 08/18/84)					
Male					
Sample Number	7	60	3		70
Percent	3.8	32.3	1.6		37.7
Std. Error	1.4	3.4	0.9		3.6
Number	2,011	17,096	847		19,955
Female					
Sample Number	14	100	2		116
Percent	7.5	53.8	1.1		62.4
Std. Error	1.9	3.7	0.8		3.6
Number	3,970	28,476	582		33,028
Sexes Combined					
Sample Number	21	160	5		186
Percent	11.3	86.1	2.7		100.0
Std. Error	2.3	2.5	1.2		-----
Number	5,981	45,573	1,429		52,930

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Appendix Table 3. District 101 commercial purse seine catch of chum salmon;
age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total

Stat. Week 34 (08/19/84 to 08/25/84)

Male					
Sample Number	9	127	2		138
Percent	3.6	50.4	0.8		54.8
Std. Error	1.2	3.2	0.6		3.1
Number	1,449	20,285	322		22,056
Female					
Sample Number	11	99	4		114
Percent	4.4	39.3	1.6		45.3
Std. Error	1.3	3.1	0.8		3.1
Number	1,771	15,817	644		18,232
Sexes Combined					
Sample Number	20	226	6		252
Percent	8.0	89.7	2.4		100.0
Std. Error	1.7	1.9	1.0		---
Number	3,220	36,102	966		40,248

Stat. Week 35 (08/26/84 to 09/01/84)

Male					
Sample Number	13	96	3		112
Percent	5.8	42.9	1.3		50.0
Std. Error	1.6	3.3	0.8		3.3
Number	5,086	37,621	1,140		43,848
Female					
Sample Number	7	98	5	2	112
Percent	3.1	43.8	2.2	0.9	50.0
Std. Error	1.2	3.3	1.0	0.6	3.3
Number	2,719	38,410	1,929	789	43,847
Sexes Combined					
Sample Number	20	194	8	2	224
Percent	8.9	86.7	3.5	0.9	100.0
Std. Error	1.9	2.3	1.2	0.6	---
Number	7,805	76,032	3,069	789	87,695

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Appendix Table 3. District 101 commercial purse seine catch of chum salmon;
age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total
Combined periods (07/08/84 to 09/01/84)					
Male					
Sample Number	84	723	28		835
Percent	5.1	36.9	1.4		43.4
Std. Error	0.7	1.5	0.4		1.6
Number	16,691	120,788	4,428		141,948
Female					
Sample Number	114	935	38	2	1,089
Percent	5.6	48.7	2.1	0.2	56.6
Std. Error	0.7	1.6	0.5	0.2	1.6
Number	18,478	159,167	6,792	789	185,122
Sexes Combined					
Sample Number	198	1,658	66	2	1,924
Percent	10.7	85.6	3.5	0.2	100.0
Std. Error	1.0	1.1	0.6	0.2	---
Number	35,168	279,954	11,220	789	327,070

Appendix Table 4. District 101 commercial purse seine catch of chum salmon; length (mm) by sex, age, and sampling period, 1984.

	Age Group			
	02	03	04	05

Stat. Week 28 (07/08/84 to 07/14/84)

Males				
Ave. Length	647	710	752	
Std. Error	15.6	4.8	6	
Samp. Size	5	111	3	
Females				
Ave. Length	690	682	724	
Std. Error	35	3.7	11.1	
Samp. Size	2	111	8	

Stat. Week 29 (07/15/84 to 07/21/84)

Males				
Ave. Length	667	683	742	
Std. Error	24.5	6.7	13.9	
Samp. Size	6	56	5	
Females				
Ave. Length	629	655	627	
Std. Error	7.2	4.4	12	
Samp. Size	21	92	3	

Stat. Week 30 (07/22/84 to 07/28/84)

Males				
Ave. Length	612	687	704	
Std. Error	10.8	5.2	15.8	
Samp. Size	17	132	9	
Females				
Ave. Length	614	659	665	
Std. Error	10.3	3.2	18.4	
Samp. Size	24	183	9	

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Appendix Table 4. District 101 commercial purse seine catch of chum salmon; length (mm) by sex, age, and sampling period, 1984 (continued).

	Age Group			
	02	03	04	05

Stat. Week 31 (07/29/84 to 08/04/84)

Males				
Ave. Length	630	680	695	
Std. Error	10.6	4.6	50	
Samp. Size	21	116	2	
Females				
Ave. Length	621	651	666	
Std. Error	7.2	3.1	5.2	
Samp. Size	31	207	4	

Stat. Week 32 (08/05/84 to 08/11/84)

Males				
Ave. Length	632	677	645	
Std. Error	12.8	9	---	
Samp. Size	6	24	1	
Females				
Ave. Length	664	668	685	
Std. Error	37.7	8.5	5	
Samp. Size	4	44	3	

Stat. Week 33 (08/12/84 to 08/18/84)

Males				
Ave. Length	611	659	703	
Std. Error	18	6.6	21.3	
Samp. Size	7	60	3	
Females				
Ave. Length	596	642	668	
Std. Error	11.4	3.4	7.5	
Samp. Size	14	99	2	

-Continued-

Appendix Table 4. District 101 commercial purse seine catch of chum salmon; length (mm) by sex, age, and sampling period, 1984 (continued).

	Age Group			
	02	03	04	05

Stat. Week 34 (08/19/84 to 08/25/84)

Males

Ave. Length	602	638	623
Std. Error	7.7	2.9	2.5
Samp. Size	9	127	2

Females

Ave. Length	600	628	714
Std. Error	16.7	3.4	26.4
Samp. Size	11	98	4

Stat. Week 35 (08/26/84 to 09/01/84)

Males

Ave. Length	602	658	672
Std. Error	9.8	3.3	8.8
Samp. Size	13	96	3

Females

Ave. Length	579	644	684	715
Std. Error	20.5	3.2	18.8	5
Samp. Size	7	98	5	2

Seasonal Average Length Combined periods (07/08/84 to 09/01/84)

Males

Ave. Length	621	674	704
Std. Error	4.9	2.0	9.2
Samp. Size	84	722	28

Females

Ave. Length	616	653	684	715
Std. Error	4.5	1.4	7.5	5.0
Samp. Size	114	932	38	2

Appendix Table 5. District 102 commercial gill net catch of chum salmon; age and sex composition by sampling period, 1984.

	Age Group				
	02	03	04	05	Total
Combined Periods (08/05/84 to 08/25/84)					
Male					
Sample Number	5	17	1		23
Percent	9.3	31.5	1.9		42.7
Std. Error	4.0	6.4	1.9		6.8
Number	94	317	19		430
Female					
Sample Number	4	27			31
Percent	7.4	50.0			57.4
Std. Error	3.6	6.9			6.8
Number	74	503			577
Sexes Combined					
Sample Number	9	44	1		54
Percent	16.7	81.5	1.9		100.0
Std. Error	5.1	5.3	1.9		-----
Number	168	820	19		1006

Appendix Table 6. District 102 commercial gill net catch of chum salmon;
length (mm) by sex, age, and sampling period, 1984.

	Age Group			
	02	03	04	05
Stat. Week 32 - 34 (08/05/84 to 08/25/84)				
Males				
Ave. Length	626	644	770	
Std. Error	7.6	10.0	---	
Sample Size	5	17	1	
Females				
Ave. Length	605	649		
Std. Error	11.7	5.9		
Sample Size	4	27		

Appendix Table 7. District 102 commercial purse seine catch of chum salmon; age and sex composition by sampling period, 1984.

	Age Group				
	02	03	04	05	Total

Stat. Week 32 (08/05/84 to 08/11/84)

Male					
Sample Number	10	75	2		87
Percent	5.9	44.4	1.2		51.5
Std. Error	1.8	3.8	0.8		3.9
Number	1,211	9,112	246		10,569
Female					
Sample Number	18	63	1		82
Percent	10.7	37.3	0.6		48.6
Std. Error	2.4	3.7	0.6		3.9
Number	2,196	7,655	123		9,974
Sexes Combined					
Sample Number	28	138	3		169
Percent	16.6	81.7	1.8		100.0
Std. Error	2.9	3.0	1.0		---
Number	3,407	16,766	369		20,522

Stat. Week 33 (08/12/84 to 08/18/84)

Male					
Sample Number	11	57	5		73
Percent	6.5	33.9	3.0		43.4
Std. Error	1.9	3.7	1.3		3.8
Number	1,233	6,432	569		8,234
Female					
Sample Number	12	80	3		95
Percent	7.1	47.6	1.8		56.5
Std. Error	2.0	3.9	1.0		3.8
Number	1,347	9,031	341		10,719
Sexes Combined					
Sample Number	23	137	8		168
Percent	13.6	81.5	4.8		100.0
Std. Error	2.7	3.0	1.7		---
Number	2,580	15,462	911		18,972

-Continued-

Appendix Table 7. District 102 commercial purse seine catch of chum salmon;
age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total
Stat. Week 34 (08/19/84 to 08/25/84)					
Male					
Sample Number	21	122	10		153
Percent	7.4	43.1	3.5		54.0
Std. Error	1.6	2.9	1.1		3.0
Number	3,269	19,038	1,546		23,853
Female					
Sample Number	9	117	4		130
Percent	3.2	41.3	1.4		45.9
Std. Error	1.0	2.9	0.7		3.0
Number	1,414	18,243	618		20,275
Sexes Combined					
Sample Number	30	239	14		283
Percent	10.6	84.4	4.9		100.0
Std. Error	1.8	2.2	1.3		---
Number	4,682	37,281	2,164		44,172
Stat. Week 35 (08/26/84 to 09/01/84)					
Male					
Sample Number	6	70	4		80
Percent	3.1	36.5	2.1		41.7
Std. Error	1.3	3.5	1.0		3.6
Number	438	5,163	297		5,898
Female					
Sample Number	14	91	7		112
Percent	7.3	47.4	3.6		58.3
Std. Error	1.9	3.6	1.3		3.6
Number	1,033	6,704	509		8,246
Sexes Combined					
Sample Number	20	161	11		192
Percent	10.4	83.9	5.7		100.0
Std. Error	2.2	2.7	1.7		---
Number	1,471	11,867	806		14,144

-Continued-

Appendix Table 7. District 102 commercial purse seine catch of chum salmon;
age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total
Stat. Week 36 (09/02/84 to 09/08/84)					
Male					
Sample Number	11	51	4		66
Percent	6.1	28.5	2.2		36.8
Std. Error	1.8	3.4	1.1		3.6
Number	6,439	30,085	2,322		38,846
Female					
Sample Number	14	94	5		113
Percent	7.8	52.5	2.8		63.1
Std. Error	2.0	3.7	1.2		3.6
Number	8,234	55,420	2,956		66,609
Sexes Combined					
Sample Number	25	145	9		179
Percent	13.9	81.0	5.0		100.0
Std. Error	2.6	2.9	1.6		---
Number	14,673	85,504	5,278		105,561
Combined Periods (08/05/84 to 09/08/84)					
Male					
Sample Number	59	375	25		459
Percent	6.2	34.3	2.4		42.9
Std. Error	1.0	2.0	0.6		2.1
Number	12,590	69,830	4,980		87,246
Female					
Sample Number	67	445	20		532
Percent	7.0	47.7	2.2		56.9
Std. Error	1.1	2.1	0.7		2.1
Number	14,223	97,053	4,547		115,718
Sexes Combined					
Sample Number	126	820	45		991
Percent	13.2	82.0	4.6		100.0
Std. Error	1.5	1.7	0.9		---
Number	26,813	166,881	9,528		203,371

Appendix Table 8. District 102 commercial purse seine catch of chum salmon; length (mm) by sex, age, and sampling period, 1984.

	Age Group			
	02	03	04	05

Stat. Week 32 (08/05/84 to 08/11/84)

Males

Ave. Length	589	643	675
Std. Error	16.2	4.8	10
Samp. Size	10	75	2

Females

Ave. Length	596	635	700
Std. Error	7	4.3	---
Samp. Size	18	63	1

Stat. Week 33 (08/12/84 to 08/18/84)

Males

Ave. Length	589	624	646
Std. Error	10.8	5.2	30.2
Samp. Size	11	57	5

Females

Ave. Length	599	628	685
Std. Error	9.2	3.9	7.6
Samp. Size	12	80	3

Stat. Week 34 (08/19/84 to 08/25/84)

Males

Ave. Length	599	645	665
Std. Error	6.8	2.6	11.2
Samp. Size	21	120	10

Females

Ave. Length	582	631	673
Std. Error	8.6	3.7	13.6
Samp. Size	9	116	4

-Continued-

Appendix Table 8. District 102 commercial purse seine catch of chum salmon; length (mm) by sex, age, and sampling period, 1984 (continued).

	Age Group			
	02	03	04	05

Stat. Week 35 (08/26/84 to 09/01/84)

Males				
Ave. Length	585	634	668	
Std. Error	14.3	5	7.5	
Samp. Size	6	70	4	
Females				
Ave. Length	608	633	662	
Std. Error	15.6	3.4	15.4	
Samp. Size	14	91	6	

Stat. Week 36 (09/02/84 to 09/08/84)

Males				
Ave. Length	575	637	684	
Std. Error	10.5	4.6	30.7	
Samp. Size	11	51	4	
Females				
Ave. Length	610	630	673	
Std. Error	8.2	4	24.5	
Samp. Size	14	94	5	

Seasonal Average Length Combined periods (07/22/84 to 09/08/84)

Males				
Ave. Length	590	638	665	
Std. Error	4.8	1.9	8.7	
Samp. Size	59	373	25	
Females				
Ave. Length	600	631	673	
Std. Error	4.6	1.7	8.3	
Samp. Size	67	444	19	

Appendix Table 9. District 103 commercial purse seine catch of chum salmon;
age and sex composition by sampling period, 1984.

	Age Group				
	02	03	04	05	Total
Combined Periods (08/19/84 to 09/01/84)					
Male					
Sample Number	10	31	2		43
Percent	9.8	30.4	2.0		42.2
Std. Error	3.0	4.6	1.4		4.9
Number	6,873	21,321	1,403		29,597
Female					
Sample Number	10	40	9		59
Percent	9.8	39.2	8.8		57.8
Std. Error	3.0	4.9	2.8		4.9
Number	6,873	27,493	6,172		40,539
Sexes Combined					
Sample Number	20	71	11		102
Percent	19.6	69.6	10.8		100.0
Std. Error	3.9	4.6	3.1		---
Number	13,747	48,815	7,575		70,136

Appendix Table 10. District 103 commercial purse seine catch of chum salmon; length (mm) by sex, age, and sampling period, 1984.

	Age Group			
	02	03	04	05
Stat. Week 34 (08/19/84 to 08/25/84)				
Males				
Ave. Length	618	645	680	
Std. Error	14.5	9.6	0	
Samp. Size	8	18	2	
Females				
Ave. Length	586	628	665	
Std. Error	10.6	12	11.7	
Samp. Size	6	19	8	
Stat. Week 35 (08/26/84 to 09/01/84)				
Males				
Ave. Length	590	666		
Std. Error	---	8.5		
Samp. Size	1	12		
Females				
Ave. Length	563	649	730	
Std. Error	8.8	5.7	---	
Samp. Size	3	21	1	
Seasonal Average Length	Combined Periods (08/19/84 to 09/01/84)			
Males				
Ave. Length	614	653	680	
Std. Error	13.1	6.9	0	
Samp. Size	9	30	2	
Females				
Ave. Length	578	679	672	
Std. Error	8.2	6.6	12.6	
Samp. Size	9	40	9	

Appendix Table 11. District 104 commercial purse seine catch of chum salmon; age and sex composition by sampling period, 1984.

	Age Group				
	02	03	04	05	Total
Stat. Week 27 - 28 (07/01/84 to 07/14/84)					
Male					
Sample Number	3	39	2		44
Percent	2.0	25.5	1.3		28.8
Std. Error	1.1	3.5	0.9		3.7
Number	187	2,382	121		2,690
Female					
Sample Number	7	97	4	1	109
Percent	4.6	63.4	2.6	0.7	71.3
Std. Error	1.7	3.9	1.3	0.7	3.7
Number	430	5,922	243	65	6,660
Sexes Combined					
Sample Number	10	136	6	1	153
Percent	6.6	88.9	3.9	0.7	100.0
Std. Error	2.0	2.5	1.6	0.7	---
Number	617	8,304	364	65	9,341
Stat. Week 29 (07/15/84 to 07/21/84)					
Male					
Sample Number	21	88	4	1	114
Percent	6.3	26.3	1.2	0.3	34.1
Std. Error	1.3	2.4	0.6	0.3	2.6
Number	740	3,088	141	35	4,004
Female					
Sample Number	47	169	5		221
Percent	14.0	50.4	1.5		65.9
Std. Error	1.9	2.7	0.7		2.6
Number	1,644	5,917	176		7,737
Sexes Combined					
Sample Number	68	257	9	1	335
Percent	20.3	76.7	2.7	0.3	100.0
Std. Error	2.2	2.3	0.9	0.3	---
Number	2,383	9,005	317	35	11,741

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Appendix Table 11. District 104 commercial purse seine catch of chum salmon; age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total
Stat. Week 30 (07/22/84 to 07/28/84)					
Male					
Sample Number	6	93	11		110
Percent	2.5	39.4	4.7		46.6
Std. Error	1.0	3.2	1.4		3.3
Number	363	5,728	683		6,774
Female					
Sample Number	14	104	7	1	126
Percent	5.9	44.1	3.0	0.4	53.4
Std. Error	1.5	3.2	1.1	0.4	3.3
Number	858	6,412	436	58	7,764
Sexes Combined					
Sample Number	20	197	18	1	236
Percent	8.4	83.5	7.7	0.4	100.0
Std. Error	1.8	2.4	1.7	0.4	----
Number	1,221	12,140	1,120	58	14,539
Stat. Week 31 (07/29/84 to 08/04/84)					
Male					
Sample Number	17	89	6		112
Percent	6.7	35.3	2.4		44.4
Std. Error	1.6	3.0	1.0		3.1
Number	1,776	9,356	636		11,768
Female					
Sample Number	23	112	5		140
Percent	9.1	44.4	2.0		55.5
Std. Error	1.8	3.1	0.9		3.1
Number	2,412	11,768	530		14,710
Sexes Combined					
Sample Number	40	201	11		252
Percent	15.8	79.7	4.4		100.0
Std. Error	2.3	2.5	1.3		----
Number	4,188	21,124	1,166		26,505

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Appendix Table 11. District 104 commercial purse seine catch of chum salmon; age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total
Stat. Week 32 (08/05/84 to 08/11/84)					
Male					
Sample Number	18	71	3		92
Percent	9.0	35.5	1.5		46.0
Std. Error	2.0	3.4	0.9		3.5
Number	3,814	15,043	636		19,492
Female					
Sample Number	17	86	5		108
Percent	8.5	43.0	2.5		54.0
Std. Error	2.0	3.5	1.1		3.5
Number	3,602	18,221	1,059		22,882
Sexes Combined					
Sample Number	35	157	8		200
Percent	17.5	78.5	4.0		100.0
Std. Error	2.7	2.9	1.4		----
Number	7,415	33,264	1,695		42,374
Stat. Week 33 (08/12/84 to 08/18/84)					
Male					
Sample Number	4	34	2		40
Percent	4.0	33.7	2.0		39.7
Std. Error	2.0	4.7	1.4		4.9
Number	2,169	18,271	1,084		21,525
Female					
Sample Number	10	49	2		61
Percent	9.9	48.5	2.0		60.4
Std. Error	3.0	5.0	1.4		4.9
Number	5,368	26,296	1,084		32,748
Sexes Combined					
Sample Number	14	83	4		101
Percent	13.9	82.2	4.0		100.0
Std. Error	3.5	3.8	2.0		----
Number	7,536	44,567	2,169		54,218

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Appendix Table 11. District 104 commercial purse seine catch of chum salmon; age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total
Stat. Week 34 - 35 (08/19/84 to 09/01/84)					
Male					
Sample Number	6	44	4		54
Percent	4.6	33.6	3.1		41.3
Std. Error	1.8	4.1	1.5		4.3
Number	2,063	15,070	1,390		18,523
Female					
Sample Number	11	63	3		77
Percent	8.4	48.1	2.3		58.8
Std. Error	2.4	4.4	1.3		4.3
Number	3,767	21,573	1,032		26,372
Sexes Combined					
Sample Number	17	107	7		131
Percent	13.0	81.7	5.4		100.0
Std. Error	2.9	3.4	2.0		----
Number	5,831	36,643	2,422		44,851
Combined periods (07/01/84 to 09/01/84)					
Male					
Sample Number	75	458	32	1	566
Percent	5.5	33.9	2.3	0.0	41.7
Std. Error	0.8	1.8	0.6	0.0	1.8
Number	11,111	68,939	4,692	35	84,888
Female					
Sample Number	129	680	31	2	842
Percent	8.9	47.2	2.2	0.1	58.4
Std. Error	1.1	1.9	0.5	0.0	1.8
Number	18,080	96,109	4,561	124	118,884
Sexes Combined					
Sample Number	204	1,138	63	3	1,408
Percent	14.3	81.1	4.5	0.1	100.0
Std. Error	1.3	1.5	0.8	0.0	----
Number	29,191	165,048	9,253	159	203,569

Appendix Table 12. District 104 commercial purse seine catch of chum salmon; length (mm) by sex, age, and sampling period, 1984.

	Age Group			
	02	03	04	05

Stat. Week 27 (07/01/84 to 07/07/84)

Males				
Ave. Length		691		
Std. Error		11.9		
Samp. Size		8		
Females				
Ave. Length	637		663	695
Std. Error	14.9		47.5	---
Samp. Size	11		2	1

Stat. Week 28 (07/08/84 to 07/14/84)

Males				
Ave. Length	688	685	684	
Std. Error	17.1	11.1	24.5	
Samp. Size	3	31	2	
Females				
Ave. Length	622	656	623	
Std. Error	19	5	32.5	
Samp. Size	7	86	2	

Stat. Week 29 (07/15/84 to 07/21/84)

Males				
Ave. Length	620	644	682	
Std. Error	12.4	6.9	42.6	
Samp. Size	21	88	4	
Females				
Ave. Length	608	641	717	
Std. Error	5.7	3.4	7.7	
Samp. Size	47	169	5	

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Appendix Table 12. District 104 commercial purse seine catch of chum salmon; length (mm) by sex, age, and sampling period, 1984 (continued).

	Age Group			
	02	03	04	05
Stat. Week 30 (07/22/84 to 07/28/84)				
Males				
Ave. Length	596	646	667	
Std. Error	10.3	4.9	11.6	
Samp. Size	6	93	11	
Females				
Ave. Length	588	632	690	642
Std. Error	11.3	4.2	15.5	---
Samp. Size	14	104	7	1
Stat. Week 31 (07/29/84 to 08/04/84)				
Males				
Ave. Length	598	631	649	
Std. Error	12.4	4.6	8.9	
Samp. Size	17	89	6	
Females				
Ave. Length	586	628	665	
Std. Error	9.3	3.4	8.3	
Samp. Size	23	112	5	
Stat. Week 32 (08/05/84 to 08/11/84)				
Males				
Ave. Length	593	617	662	
Std. Error	11.4	4.7	7.3	
Samp. Size	18	71	3	
Females				
Ave. Length	584	622	665	
Std. Error	11.2	4	17.5	
Samp. Size	17	86	5	

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Appendix Table 12. District 104 commercial purse seine catch of chum salmon; length (mm) by sex, age, and sampling period, 1984 (continued).

	Age Group			
	02	03	04	05
Stat. Week 33 (08/12/84 to 08/18/84)				
Males				
Ave. Length	581	640	693	
Std. Error	24.4	6.5	2.5	
Samp. Size	4	34	2	
Females				
Ave. Length	576	632	683	
Std. Error	11.2	5	47.5	
Samp. Size	10	49	2	
Stat. Week 34 (08/19/84 to 08/25/84)				
Males				
Ave. Length		505		
Std. Error		---		
Samp. Size		1		
Females				
Ave. Length	569			
Std. Error	22.9			
Samp. Size	5			
Stat. Week 35 (08/26/84 to 09/01/84)				
Males				
Ave. Length	590	629	664	
Std. Error	11.8	8.6	16.1	
Samp. Size	6	43	4	
Females				
Ave. Length	577	624	622	
Std. Error	20.2	5.8	19.2	
Samp. Size	5	63	3	

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Appendix Table 12. District 104 commercial purse seine catch of chum salmon; length (mm) by sex, age, and sampling period, 1984 (continued).

	Age Group			
	02	03	04	05
Seasonal Average Length Combined Periods (07/01/84 to 09/01/84)				
Males				
Ave. Length	605	639	667	
Std. Error	5.9	2.5	7	
Samp. Size	75	458	32	
Females				
Ave. Length	594	635	673	669
Std. Error	3.9	1.7	7.9	26.5
Samp. Size	128	680	31	2

Appendix Table 13. District 105 commercial purse seine catch of chum salmon; age and sex composition by sampling period, 1984.

	Age Group				
	02	03	04	05	Total
Stat. Week 33 (08/12/84 to 08/18/84)					
Male					
Sample Number	11	93	6		110
Percent	6.0	51.1	3.3		60.4
Std. Error	1.8	3.7	1.3		3.6
Number	1,569	13,366	863		15,798
Female					
Sample Number	2	66	4		72
Percent	1.1	36.3	2.2		39.6
Std. Error	0.8	3.6	1.1		3.6
Number	288	9,495	575		10,358
Sexes Combined					
Sample Number	13	159	10		182
Percent	7.1	87.4	5.5		100.0
Std. Error	1.9	2.5	1.7		---
Number	1,857	22,861	1,439		26,157
Stat. Week 34 (08/19/84 to 08/25/84)					
Male					
Sample Number	4	107	7		118
Percent	2.0	54.6	3.6		60.2
Std. Error	1.0	3.6	1.3		3.5
Number	259	7,071	466		7,796
Female					
Sample Number	1	74	3		78
Percent	0.5	37.8	1.5		39.8
Std. Error	0.5	3.5	0.9		3.5
Number	65	4,895	194		5,154
Sexes Combined					
Sample Number	5	181	10		196
Percent	2.5	92.4	5.1		100.0
Std. Error	1.1	1.9	1.6		---
Number	324	11,966	660		12,950

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Appendix Table 13. District 105 commercial purse seine catch of chum salmon; age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total
Stat. Week 35 (08/26/84 to 09/01/84)					
Male					
Sample Number	8	93	12	1	114
Percent	3.4	39.1	5.0	0.4	47.9
Std. Error	1.2	3.2	1.4	0.4	3.2
Number	334	3,838	491	39	4,702
Female					
Sample Number	5	108	11		124
Percent	2.1	45.4	4.6		52.1
Std. Error	0.9	3.2	1.4		3.2
Number	206	4,456	451		5,113
Sexes Combined					
Sample Number	13	201	23	1	238
Percent	5.5	84.5	9.6	0.4	100.0
Std. Error	1.5	2.4	1.9	0.4	---
Number	540	8,294	942	39	9,815
Stat. Week 36 (09/02/84 to 09/08/84)					
Male					
Sample Number	2	94	7		103
Percent	1.3	61.8	4.6		67.7
Std. Error	0.9	4.0	1.7		3.8
Number	168	7,967	593		8,728
Female					
Sample Number	2	40	7		49
Percent	1.3	26.3	4.6		32.2
Std. Error	0.9	3.6	1.7		3.8
Number	168	3,390	593		4,151
Sexes Combined					
Sample Number	4	134	14		152
Percent	2.6	88.1	9.2		100.0
Std. Error	1.3	2.6	2.4		---
Number	335	11,357	1,186		12,891

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Appendix Table 13. District 105 commercial purse seine catch of chum salmon;
age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total
Combined Periods (08/12/84 to 09/08/84)					
Male					
Sample Number	25	387	32	1	445
Percent	3.8	52.2	3.9	0.1	60.0
Std. Error	0.8	2.0	0.8	0.1	1.9
Number	2,330	32,242	2,413	39	37,088
Female					
Sample Number	10	288	25		323
Percent	1.2	36.0	2.9		40.1
Std. Error	0.4	1.9	0.6		1.9
Number	727	22,236	1,813		24,787
Sexes Combined					
Sample Number	35	675	57	1	768
Percent	5.0	88.2	6.8	0.1	100.0
Std. Error	0.9	1.3	1.0	0.1	---
Number	3,056	54,478	4,227	39	61,813

Appendix Table 14. District 105 commercial purse seine catch of chum salmon; length (mm) by sex, age, and sampling period, 1984.

	Age Group			
	02	03	04	05
Stat. Week 33 (08/12/84 to 08/18/84)				
Males				
Ave. Length	590	619	666	
Std. Error	10.6	3.8	11.2	
Samp. Size	11	93	6	
Females				
Ave. Length	561	611	649	
Std. Error	16.5	3.3	11.3	
Samp. Size	2	65	4	
Stat. Week 34 (08/19/84 to 08/25/84)				
Males				
Ave. Length	572	633	661	
Std. Error	24	3.9	15	
Samp. Size	4	107	7	
Females				
Ave. Length	592	622	646	
Std. Error	---	3.9	2.1	
Samp. Size	1	74	3	
Stat. Week 35 (08/26/84 to 09/01/84)				
Males				
Ave. Length	594	635	645	670
Std. Error	8.3	3.6	11.1	---
Samp. Size	8	93	12	1
Females				
Ave. Length	592	621	612	
Std. Error	15.9	2.8	8.6	
Samp. Size	5	108	11	

-Continued-

Appendix Table 14. District 105 commercial purse seine catch of chum salmon; length (mm) by sex, age, and sampling period, 1984 (continued).

	Age Group			
	02	03	04	05
Stat. Week 36 (09/02/84 to 09/08/84)				
Males				
Ave. Length	585	630	656	
Std. Error	15	3.4	10.2	
Samp. Size	2	94	7	
Females				
Ave. Length	585	618	636	
Std. Error	5	4.7	12	
Samp. Size	2	40	7	
Seasonal Average Length Combined Periods (08/12/84 to 09/08/84)				
Males				
Ave. Length	588	629	655	670
Std. Error	6.5	1.9	6	---
Samp. Size	25	387	32	1
Females				
Ave. Length	584	619	629	
Std. Error	8.9	1.8	6	
Samp. Size	10	287	25	

Appendix Table 15. District 106 commercial gill net catch of chum salmon;
age and sex composition by sampling period, 1984.

	Age Group				
	02	03	04	05	Total
Stat. Week 25 (06/17/84 to 06/23/84)					
Male					
Sample Number	5	49	2		56
Percent	4.7	45.8	1.9		52.4
Std. Error	2.1	4.8	1.3		4.9
Number	19	188	8		215
Female					
Sample Number	2	47	2		51
Percent	1.9	43.9	1.9		47.7
Std. Error	1.3	4.8	1.3		4.9
Number	8	180	8		196
Sexes Combined					
Sample Number	7	96	4		107
Percent	6.6	89.7	3.8		100.0
Std. Error	2.4	3.0	1.9		---
Number	27	369	16		411
Stat. Week 26 (06/24/84 to 06/30/84)					
Male					
Sample Number	5	95	8		108
Percent	1.7	33.1	2.8		37.6
Std. Error	0.8	2.8	1.0		2.9
Number	19	373	32		424
Female					
Sample Number	6	156	17		179
Percent	2.1	54.4	5.9		62.4
Std. Error	0.8	2.9	1.4		2.9
Number	24	614	67		705
Sexes Combined					
Sample Number	11	251	25		287
Percent	3.8	87.5	8.7		100.0
Std. Error	1.1	2.0	1.7		---
Number	43	987	98		1128

-Continued-

Appendix Table 15. District 106 commercial gill net catch of chum salmon; age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total
Stat. Week 27 (07/01/84 to 07/07/84)					
Male					
Sample Number	5	151	24		180
Percent	1.3	40.2	6.4		47.9
Std. Error	0.6	2.5	1.3		2.6
Number	30	914	146		1090
Female					
Sample Number	1	183	12		196
Percent	0.3	48.7	3.2		52.2
Std. Error	0.3	2.6	0.9		2.6
Number	7	1107	73		1187
Sexes Combined					
Sample Number	6	334	36		376
Percent	1.6	88.9	9.6		100.0
Std. Error	0.6	1.6	1.5		---
Number	36	2022	218		2274
Stat. Week 28 (07/08/84 to 07/14/84)					
Male					
Sample Number	20	194	11		225
Percent	4.3	42.1	2.4		48.8
Std. Error	0.9	2.3	0.7		2.3
Number	125	1220	70		1415
Female					
Sample Number	16	207	13		236
Percent	3.5	44.9	2.8		51.2
Std. Error	0.9	2.3	0.8		2.3
Number	101	1301	81		1483
Sexes Combined					
Sample Number	36	401	24		461
Percent	7.8	87.0	5.2		100.0
Std. Error	1.3	1.6	1.0		---
Number	226	2521	151		2898

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Appendix Table 15. District 106 commercial gill net catch of chum salmon; age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total
Stat. Week 29 (07/15/84 to 07/21/84)					
Male					
Sample Number	28	220	13	1	262
Percent	5.2	41.2	2.4	0.2	49.0
Std. Error	1.0	2.1	0.7	0.2	2.2
Number	731	5793	337	28	6889
Female					
Sample Number	32	229	10	1	272
Percent	6.0	42.9	1.9	0.2	51.0
Std. Error	1.0	2.1	0.6	0.2	2.2
Number	844	6032	267	28	7171
Sexes Combined					
Sample Number	60	449	23	2	534
Percent	11.2	84.1	4.3	0.4	100.0
Std. Error	1.4	1.6	0.9	0.3	----
Number	1575	11825	605	56	14061
Stat. Week 30 (07/22/84 to 07/28/84)					
Male					
Sample Number	15	123	5		143
Percent	4.5	36.8	1.5		42.8
Std. Error	1.1	2.6	0.7		2.7
Number	376	3074	125		3575
Female					
Sample Number	24	163	4		191
Percent	7.2	48.8	1.2		57.2
Std. Error	1.4	2.7	0.6		2.7
Number	601	4077	100		4778
Sexes Combined					
Sample Number	39	286	9		334
Percent	11.7	85.6	2.7		100.0
Std. Error	1.8	1.9	0.9		----
Number	977	7151	226		8354

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Appendix Table 15. District 106 commercial gill net catch of chum salmon; age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total

Stat. Week 31 (07/29/84 to 08/04/84)

Male					
Sample Number	25	113	3		141
Percent	9.0	40.8	1.1		50.9
Std. Error	1.7	3.0	0.6		3.0
Number	827	3747	101		4675
Female					
Sample Number	21	114	1		136
Percent	7.6	41.2	0.4		49.2
Std. Error	1.6	3.0	0.4		3.0
Number	698	3784	37		4519
Sexes Combined					
Sample Number	46	227	4		277
Percent	16.6	82.0	1.5		100.0
Std. Error	2.2	2.3	0.7		---
Number	1525	7531	138		9184

Stat. Week 32 (08/05/84 to 08/11/84)

Male					
Sample Number	25	102			127
Percent	8.7	35.5			44.2
Std. Error	1.7	2.8			2.9
Number	522	2128			2650
Female					
Sample Number	30	128	2		160
Percent	10.5	44.6	0.7		55.8
Std. Error	1.8	2.9	0.5		2.9
Number	629	2674	42		3345
Sexes Combined					
Sample Number	55	230	2		287
Percent	19.2	80.1	0.7		100.0
Std. Error	2.3	2.4	0.5		---
Number	1151	4802	42		5995

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Appendix Table 15. District 106 commercial gill net catch of chum salmon; age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total

Stat. Week 33 (08/12/84 to 08/18/84)

Male

Sample Number	49	113	7	169
Percent	16.2	37.3	2.3	55.8
Std. Error	2.1	2.8	0.9	2.9
Number	771	1774	109	2654

Female

Sample Number	38	93	3	134
Percent	12.5	30.7	1.0	44.2
Std. Error	1.9	2.7	0.6	2.9
Number	595	1460	48	2103

Sexes Combined

Sample Number	87	206	10	303
Percent	28.7	68.0	3.3	100.0
Std. Error	2.6	2.7	1.0	----
Number	1365	3235	157	4757

Stat. Week 34 (08/19/84 to 08/25/84)

Male

Sample Number	49	108	4	161
Percent	18.6	40.9	1.5	61.0
Std. Error	2.4	3.0	0.7	3.0
Number	1476	3246	119	4841

Female

Sample Number	22	79	1	1	103
Percent	8.3	29.9	0.4	0.4	39.0
Std. Error	1.7	2.8	0.4	0.4	3.0
Number	659	2373	32	32	3096

Sexes Combined

Sample Number	71	187	5	1	264
Percent	26.9	70.8	1.9	0.4	100.0
Std. Error	2.7	2.8	0.8	0.4	----
Number	2135	5619	151	32	7937

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Appendix Table 15. District 106 commercial gill net catch of chum salmon; age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total
Stat. Week 35 (08/26/84 to 09/01/84)					
Male					
Sample Number	24	78	1		103
Percent	12.8	41.5	0.5		54.8
Std. Error	2.4	3.6	0.5		3.6
Number	496	1607	19		2122
Female					
Sample Number	20	63	2		85
Percent	10.6	33.5	1.1		45.2
Std. Error	2.3	3.5	0.8		3.6
Number	410	1297	43		1750
Sexes Combined					
Sample Number	44	141	3		188
Percent	23.4	75.0	1.6		100.0
Std. Error	3.1	3.2	0.9		---
Number	906	2904	62		3872
Stat. Week 36 (09/02/84 to 09/08/84)					
Male					
Sample Number	49	121	5		175
Percent	16.0	39.4	1.6		57.0
Std. Error	2.1	2.8	0.7		2.8
Number	729	1796	73		2598
Female					
Sample Number	18	109	5		132
Percent	5.9	35.5	1.6		43.0
Std. Error	1.3	2.7	0.7		2.8
Number	269	1618	73		1960
Sexes Combined					
Sample Number	67	230	10		307
Percent	21.9	74.9	3.2		100.0
Std. Error	2.4	2.5	1.0		---
Number	998	3415	146		4559

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Appendix Table 15. District 106 commercial gill net catch of chum salmon; age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total
Stat. Week 37 - 38 (09/09/84 to 09/15/84)					
Male					
Sample Number	50	56	1		107
Percent	23.1	25.9	0.5		49.5
Std. Error	2.9	3.0	0.5		3.4
Number	1160	1301	25		2486
Female					
Sample Number	33	74	2		109
Percent	15.3	34.3	0.9		50.5
Std. Error	2.5	3.2	0.6		3.4
Number	769	1723	45		2537
Sexes Combined					
Sample Number	83	130	3		216
Percent	38.4	60.2	1.4		100.0
Std. Error	3.3	3.3	0.8		---
Number	1929	3024	70		5023
Combined Periods (06/17/84 to 09/22/84)					
Male					
Sample Number	349	1531	84	1	1973
Percent	10.3	38.6	1.7	0.0	50.6
Std. Error	0.5	0.9	0.2	0.0	0.9
Number	7281	27161	1164	28	35649
Female					
Sample Number	263	1652	74	2	1998
Percent	8.0	40.1	1.3	0.1	49.5
Std. Error	0.5	0.9	0.2	0.1	0.9
Number	5614	28240	916	60	34874
Sexes Combined					
Sample Number	612	3168	158	3	3956
Percent	18.3	78.7	3.0	0.1	100.0
Std. Error	0.7	0.7	0.3	0.1	---
Number	12893	55405	2080	88	70453

Appendix Table 16. District 106 commercial gill net catch of chum salmon; length (mm) by sex, age, and sampling period, 1984.

	Age Group			
	02	03	04	05

Stat. Week 25 (06/17/84 to 06/23/84)

Males

Ave. Length	528	674	537
Std. Error	16.7	8.7	7.0
Sample Size	5	57	2

Females

Ave. Length	490	662	718
Std. Error	10.0	8.4	19.0
Sample Size	2	54	2

Stat. Week 26 (06/24/84 to 06/30/84)

Males

Ave. Length	634	696	685
Std. Error	30.3	6.2	20.9
Sample Size	5	95	8

Females

Ave. Length	623	650	677
Std. Error	19.3	3.7	13.0
Sample Size	6	156	17

Stat. Week 27 (07/01/84 to 07/07/84)

Males

Ave. Length	603	657	646
Std. Error	12.9	4.4	9.3
Sample Size	5	151	24

Females

Ave. Length	613	638	666
Std. Error	---	3.2	10.4
Sample Size	1	183	12

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Appendix Table 16. District 106 commercial gill net catch of chum salmon; length (mm) by sex, age, and sampling period, 1984
(continued).

	Age Group			
	02	03	04	05

Stat. Week 28 (07/08/84 to 07/14/84)

Males

Ave. Length	637	639	683	
Std. Error	13.9	6.2	18.0	
Sample Size	20	194	11	

Females

Ave. Length	616	623	648	
Std. Error	10.0	2.8	13.0	
Sample Size	16	207	13	

Stat. Week 29 (07/15/84 to 07/21/84)

Males

Ave. Length	600	624	659	687
Std. Error	8.4	2.6	16.3	---
Sample Size	28	220	13	1

Females

Ave. Length	597	617	636	697
Std. Error	4.5	2.3	8.2	---
Sample Size	32	229	10	1

Stat. Week 30 (07/22/84 to 07/28/84)

Males

Ave. Length	602	637	653	
Std. Error	7.9	3.6	19.1	
Sample Size	15	123	5	

Females

Ave. Length	596	616	642	
Std. Error	7.9	2.8	25.8	
Sample Size	24	163	4	

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Appendix Table 16. District 106 commercial gill net catch of chum salmon; length (mm) by sex, age, and sampling period, 1984
(continued).

	Age Group			
	02	03	04	05

Stat. Week 31 (07/29/84 to 08/04/84)

Males				
Ave. Length	587	626	714	
Std. Error	7.1	3.5	17.7	
Sample Size	25	113	3	

Females				
Ave. Length	584	618	610	
Std. Error	6.8	2.9	--	
Sample Size	21	114	1	

Stat. Week 32 (08/05/84 to 08/11/84)

Males				
Ave. Length	588	624		
Std. Error	7.8	3.9		
Sample Size	25	102		

Females				
Ave. Length	584	620	684	
Std. Error	5.5	3.8	1.5	
Sample Size	30	128	2	

Stat. Week 33 (08/12 to 08/18/84)

Males				
Ave. Length	600	633	658	
Std. Error	4.8	3.2	5.9	
Sample Size	49	113	7	

Females				
Ave. Length	592	616	660	
Std. Error	4.3	3.5	35.0	
Sample Size	38	93	3	

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Appendix Table 16. District 106 commercial gill net catch of chum salmon; length (mm) by sex, age, and sampling period, 1984
(continued).

	Age Group			
	02	03	04	05

Stat. Week 34 (08/19/84 to 08/25/84)

Males				
Ave. Length	593	633	616	
Std. Error	4.9	4.0	19.5	
Sample Size	49	108	4	
Females				
Ave. Length	593	625	650	675
Std. Error	4.7	3.7	---	---
Sample Size	22	79	1	1

Stat. Week 35 (08/26/84 to 09/01/84)

Males				
Ave. Length	605	645	630	
Std. Error	7.1	3.4	---	
Sample Size	24	78	1	
Females				
Ave. Length	604	648	599	
Std. Error	5.3	4.8	18.5	
Sample Size	20	63	2	

Stat. Week 36 (09/02/84 to 09/08/84)

Males				
Ave. Length	611	644	664	
Std. Error	4.0	3.0	26.1	
Sample Size	49	121	5	
Females				
Ave. Length	622	642	666	
Std. Error	6.5	2.8	15.4	
Sample Size	18	109	5	

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Appendix Table 16. District 106 commercial gill net catch of chum salmon;
length (mm) by sex, age, and sampling period, 1984
(continued).

	Age Group			
	02	03	04	05

Stat. Week 37 (09/09/84 to 09/15/84)

Males

Ave. Length	606	644	680	
Std. Error	4.1	5.1	---	
Sample Size	50	56	1	

Females

Ave. Length	626	644	655	
Std. Error	4.3	2.9	15.0	
Sample Size	33	74	2	

Seasonal Average Length Combined periods (06/17/84 to 09/15/84)

Males

Ave. Length	602	641	658	687
Std. Error	2.1	1.4	5.9	---
Sample Size	349	1531	84	1

Females

Ave. Length	600	629	659	686
Std. Error	2.1	1.0	5.2	11
Sample Size	263	1652	74	2

Appendix Table 17. District 106 commercial purse seine catch of chum salmon;
age and sex composition by sampling period, 1984.

	Age Group				
	02	03	04	05	Total
Stat. Week 34 (08/19/84 to 08/25/84)					
Male					
Sample Number	51	126	2		179
Percent	17.8	43.9	0.7		62.4
Std. Error	2.3	2.9	0.5		2.9
Number	596	1,469	23		2,088
Female					
Sample Number	16	90	2		108
Percent	5.6	31.4	0.7		37.7
Std. Error	1.4	2.7	0.5		2.9
Number	187	1,051	23		1,261
Sexes Combined					
Sample Number	67	216	4		287
Percent	23.4	75.3	1.4		100.0
Std. Error	2.5	2.6	0.7		---
Number	783	2,520	47		3,346

Appendix Table 18. District 106 commercial purse seine catch of chum salmon; length (mm) by sex, age, and sampling period, 1984.

	Age Group			
	02	03	04	05
Stat. Week 34 (08/19/84 to 08/25/84)				
Males				
Ave. Length	587	630	647	
Std. Error	4.1	4	9	
Samp. Size	51	126	2	
Females				
Ave. Length	598	630	699	
Std. Error	10.4	4.7	65.5	
Samp. Size	16	90	2	

Appendix Table 19. District 108 commercial gill net catch of chum salmon;
age and sex composition by sampling period, 1984.

	Age Group				
	02	03	04	05	Total
Combined Periods (07/29/84 to 08/11/84)					
Male					
Sample Number	28	194	12		234
Percent	8.0	55.1	3.4		66.5
Std. Error	1.4	2.7	1.0		2.5
Number	151	1042	64		1258
Female					
Sample Number	12	102	4		118
Percent	3.4	29.0	1.1		33.5
Std. Error	1.0	2.4	0.6		2.5
Number	64	549	21		634
Sexes Combined					
Sample Number	40	296	16		352
Percent	11.4	84.1	4.5		100.0
Std. Error	1.7	2.0	1.1		----
Number	216	1591	85		1892

Appendix Table 20. District 108 commercial gill net catch of chum salmon;
length (mm) by sex, age, and sampling period, 1984.

	Age Group			
	02	03	04	05
Stat. Week 31 - 32 (07/29/84 to 08/11/84)				
Males				
Ave. Length	595	636	662	
Std. Error	8.6	2.6	8.4	
Sample Size	28	192	12	
Females				
Ave. Length	588	620	635	
Std. Error	7.4	2.9	12.8	
Sample Size	12	102	4	

Appendix Table 21. District 109 commercial purse seine catch of chum salmon;
age and sex composition by sampling period, 1984.

	Age Group				
	02	03	04	05	Total
Stat. Week 30 (07/22/84 to 07/28/84)					
Male					
Sample Number	15	115	11	1	142
Percent	4.3	32.9	3.1	0.3	40.6
Std. Error	1.1	2.5	0.9	0.3	2.6
Number	279	2,134	201	19	2,633
Female					
Sample Number	17	172	19		208
Percent	4.9	49.1	5.4		59.4
Std. Error	1.2	2.7	1.2		2.6
Number	318	3,185	350		3,853
Sexes Combined					
Sample Number	32	287	30	1	350
Percent	9.2	82.0	8.5	0.3	100.0
Std. Error	1.5	2.1	1.5	0.3	----
Number	597	5,319	551	19	6,487
Stat. Week 31 (07/29/84 to 08/04/84)					
Male					
Sample Number	8	109	8		125
Percent	3.0	41.3	3.0		47.3
Std. Error	1.1	3.0	1.1		3.1
Number	266	3,666	266		4,198
Female					
Sample Number	14	121	4		139
Percent	5.3	45.8	1.5		52.6
Std. Error	1.4	3.1	0.7		3.1
Number	470	4,066	133		4,669
Sexes Combined					
Sample Number	22	230	12		264
Percent	8.3	87.1	4.5		100.0
Std. Error	1.7	2.1	1.3		----
Number	737	7,732	399		8,877

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Appendix Table 21. District 109 commercial purse seine catch of chum salmon;
age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total
Stat. Week 32 (08/05/84 to 08/11/84)					
Male					
Sample Number	13	144	19		176
Percent	4.2	46.0	6.1		56.3
Std. Error	1.1	2.8	1.4		2.8
Number	1,655	18,130	2,404		22,189
Female					
Sample Number	6	111	20		137
Percent	1.9	35.5	6.4		43.8
Std. Error	0.8	2.7	1.4		2.8
Number	749	13,992	2,522		17,263
Sexes Combined					
Sample Number	19	255	39		313
Percent	6.1	81.5	12.5		100.0
Std. Error	1.4	2.2	1.9		---
Number	2,404	32,122	4,927		39,413
Stat. Week 33 (08/12/84 to 08/18/84)					
Male					
Sample Number	30	116	3		149
Percent	11.3	43.6	1.1		56.0
Std. Error	1.9	3.0	0.6		3.0
Number	10,223	39,443	995		50,661
Female					
Sample Number	16	96	5		117
Percent	6.0	36.1	1.9		44.0
Std. Error	1.5	3.0	0.8		3.0
Number	5,428	32,658	1,719		39,805
Sexes Combined					
Sample Number	46	212	8		266
Percent	17.3	79.7	3.0		100.0
Std. Error	2.3	2.5	1.0		---
Number	15,651	72,101	2,714		90,466

-Continued-

Appendix Table 21. District 109 commercial purse seine catch of chum salmon;
age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total

Stat. Week 34 (08/19/84 to 08/25/84)

Male					
Sample Number	10	110	3		123
Percent	3.4	37.9	1.0		42.3
Std. Error	1.1	2.9	0.6		2.9
Number	1,179	13,140	347		14,666
Female					
Sample Number	9	150	8		167
Percent	3.1	51.7	2.8		57.6
Std. Error	1.0	2.9	1.0		2.9
Number	1,075	17,925	971		19,970
Sexes Combined					
Sample Number	19	260	11		290
Percent	6.5	89.6	3.8		100.0
Std. Error	1.5	1.8	1.1		---
Number	2,254	31,065	1,317		34,671

Stat. Week 35 (08/26/84 to 09/01/84)

Male					
Sample Number	12	75	20		107
Percent	4.5	28.1	7.5		40.1
Std. Error	1.3	2.8	1.6		3.0
Number	611	3,815	1,018		5,444
Female					
Sample Number	8	133	19		160
Percent	3.0	49.8	7.1		59.9
Std. Error	1.0	3.1	1.6		3.0
Number	407	6,761	964		8,132
Sexes Combined					
Sample Number	20	208	39		267
Percent	7.5	77.9	14.6		100.0
Std. Error	1.6	2.5	2.2		---
Number	1,018	10,576	1,982		13,577

-Continued-

Appendix Table 21. District 109 commercial purse seine catch of chum salmon;
age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total
Stat. Week 37 (09/09/84 to 09/15/84)					
Male					
Sample Number	59	59	18		136
Percent	20.7	20.7	6.3		47.7
Std. Error	2.4	2.4	1.4		3.0
Number	8,925	8,925	2,716		20,566
Female					
Sample Number	49	81	19		149
Percent	17.2	28.4	6.7		52.3
Std. Error	2.2	2.7	1.5		3.0
Number	7,416	12,245	2,889		22,550
Sexes Combined					
Sample Number	108	140	37		285
Percent	37.9	49.1	13.0		100.0
Std. Error	2.9	3.0	2.0		---
Number	16,341	21,170	5,605		43,116
Stat. Week 38 (09/16/84 to 09/22/84)					
Male					
Sample Number	14	41			55
Percent	5.1	14.8			19.9
Std. Error	1.3	2.1			2.4
Number	971	2,819			3,790
Female					
Sample Number	27	195			222
Percent	9.7	70.4			80.1
Std. Error	1.8	2.7			2.4
Number	1,847	13,408			15,255
Sexes Combined					
Sample Number	41	236			277
Percent	14.8	85.2			100.0
Std. Error	2.1	2.1			---
Number	2,819	16,226			19,045

-Continued-

Appendix Table 21. District 109 commercial purse seine catch of chum salmon; age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total
Stat. Week 39 - 40 (09/23/84 to 10/06/84)					
Male					
Sample Number	11	68	3		82
Percent	4.0	24.5	1.1		29.6
Std. Error	1.2	2.6	0.6		2.7
Number	667	4,083	183		4,933
Female					
Sample Number	25	169	1		195
Percent	9.0	61.0	0.4		70.4
Std. Error	1.7	2.9	0.4		2.7
Number	1,500	10,166	67		11,733
Sexes Combined					
Sample Number	36	237	4		277
Percent	13.0	85.5	1.5		100.0
Std. Error	2.0	2.1	0.7		---
Number	2,167	14,249	250		16,666
Combined Periods (07/22/84 to 10/06/84)					
Male					
Sample Number	172	837	85	1	1,095
Percent	9.1	35.3	3.0	0.0	47.4
Std. Error	0.8	1.2	0.4	0.0	1.3
Number	24,776	96,156	8,131	19	129,079
Female					
Sample Number	171	1,228	95		1,494
Percent	7.1	42.0	3.5		52.6
Std. Error	0.6	1.2	0.4		1.3
Number	19,211	114,406	9,615		143,239
Sexes Combined					
Sample Number	343	2,065	180	1	2,589
Percent	16.2	77.3	6.5	0.0	100.0
Std. Error	1.0	1.1	0.6	0.0	---
Number	43,987	210,562	17,746	19	272,318

Appendix Table 22. District 109 commercial purse seine catch of chum salmon;
length (mm) by sex, age, and sampling period, 1984.

	Age Group			
	02	03	04	05
Stat. Week 30 (07/22/84 to 07/28/84)				
Males				
Ave. Length	582	621	686	724
Std. Error	6.2	3.7	15	---
Samp. Size	15	115	11	1
Females				
Ave. Length	587	606	620	
Std. Error	5.9	2.7	6.3	
Samp. Size	17	172	19	
Stat. Week 31 (07/29/84 to 08/04/84)				
Males				
Ave. Length	581	631	656	
Std. Error	12.7	6.7	9.3	
Samp. Size	8	109	8	
Females				
Ave. Length	579	609	623	
Std. Error	9.2	2.8	12.7	
Samp. Size	14	121	4	
Stat. Week 32 (08/05/84 to 08/11/84)				
Males				
Ave. Length	592	625	657	
Std. Error	7.1	2.8	10.2	
Samp. Size	13	144	19	
Females				
Ave. Length	604	612	605	
Std. Error	9	3	7	
Samp. Size	6	111	20	

-Continued-

Appendix Table 22. District 109 commercial purse seine catch of chum salmon; length (mm) by sex, age, and sampling period, 1984 (continued).

	Age Group			
	02	03	04	05

Stat. Week 33 (08/12/84 to 08/18/84)

Males

Ave. Length	577	626	673
Std. Error	8.9	3.9	12.7
Samp. Size	30	116	3

Females

Ave. Length	570	604	654
Std. Error	7.5	3.1	12
Samp. Size	16	96	5

Stat. Week 34 (08/19/84 to 08/25/84)

Males

Ave. Length	616	625	633
Std. Error	12.8	4.2	16.7
Samp. Size	10	109	3

Females

Ave. Length	594	614	653
Std. Error	6.8	2.8	18.7
Samp. Size	9	150	8

Stat. Week 35 (08/26/84 to 08/09/01/84)

Males

Ave. Length	563	624	640
Std. Error	9.7	4.5	7
Samp. Size	12	75	20

Females

Ave. Length	590	617	635
Std. Error	6.3	3.1	8.7
Samp. Size	8	133	19

-Continued-

Appendix Table 22. District 109 commercial purse seine catch of chum salmon; length (mm) by sex, age, and sampling period, 1984 (continued).

	Age Group			
	02	03	04	05
Stat. Week 37 (09/09/84 to 09/15/84)				
Males				
Ave. Length	568	602	613	
Std. Error	4.3	4.5	4.5	
Samp. Size	59	59	18	
Females				
Ave. Length	572	614	617	
Std. Error	3.7	4	6	
Samp. Size	49	81	19	
Stat. Week 38 (09/16/84 to 09/22/84)				
Males				
Ave. Length	581	630		
Std. Error	8.9	6.5		
Samp. Size	14	41		
Females				
Ave. Length	605	628		
Std. Error	5.9	2.1		
Samp. Size	27	195		
Stat. Week 39 (09/23/84 to 09/29/84)				
Males				
Ave. Length	617	647	688	
Std. Error	4.4	3.8	21.7	
Samp. Size	11	68	3	
Females				
Ave. Length	595	626	680	
Std. Error	5.8	2.7	---	
Samp. Size	25	169	1	

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Appendix Table 22. District 109 commercial purse seine catch of chum salmon; length (mm) by sex, age, and sampling period, 1984 (continued).

	Age Group			
	02	03	04	05
Seasonal Average Length Combined Periods (07/22/84 to 10/06/84)				
Males				
Ave. Length	580	626	648	724
Std. Error	2.9	1.5	4.5	---
Samp. Size	172	836	85	1
Females				
Ave. Length	585	616	624	
Std. Error	2.3	1	3.7	
Samp. Size	171	1128	95	

Appendix Table 23. District 110 commercial purse seine catch of chum salmon;
age and sex composition by sampling period, 1984.

	Age Group				
	02	03	04	05	Total
Stat. Week 29 (07/15/84 to 07/21/84)					
Male					
Sample Number	18	177	2		197
Percent	5.9	58.4	0.7		65.0
Std. Error	1.4	2.8	0.5		2.7
Number	779	7,714	92		8,585
Female					
Sample Number	3	101	2		106
Percent	1.0	33.3	0.7		35.0
Std. Error	0.6	2.7	0.5		2.7
Number	132	4,399	92		4,623
Sexes Combined					
Sample Number	21	278	4		303
Percent	6.9	91.7	1.4		100.0
Std. Error	1.5	1.6	0.7		----
Number	911	12,113	185		13,209
Stat. Week 30 (07/22/84 to 07/28/84)					
Male					
Sample Number	7	139	7		153
Percent	2.1	41.1	2.1		45.3
Std. Error	0.8	2.7	0.8		2.7
Number	122	2,380	122		2,624
Female					
Sample Number	14	168	3		185
Percent	4.1	49.7	0.9		54.7
Std. Error	1.1	2.7	0.5		2.7
Number	237	2,878	52		3,167
Sexes Combined					
Sample Number	21	307	10		338
Percent	6.2	90.8	3.0		100.0
Std. Error	1.3	1.6	0.9		----
Number	359	5,258	174		5,791

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Appendix Table 23. District 110 commercial purse seine catch of chum salmon; age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total
Stat. Week 31 - 32 (07/29/84 to 08/11/84)					
Male					
Sample Number	13	161	7		181
Percent	4.7	58.1	2.5		65.3
Std. Error	1.3	3.0	0.9		2.9
Number	459	5,674	244		6,377
Female					
Sample Number	2	93	1		96
Percent	0.7	33.6	0.4		34.7
Std. Error	0.5	2.8	0.4		2.9
Number	68	3,281	39		3,388
Sexes Combined					
Sample Number	15	254	8		277
Percent	5.4	91.7	2.9		100.0
Std. Error	1.4	1.7	1.0		----
Number	527	8,955	283		9,766
Combined Periods (07/15/84 to 08/11/84)					
Male					
Sample Number	38	477	16		531
Percent	4.7	54.8	1.6		61.1
Std. Error	0.8	1.7	0.4		1.7
Number	1,360	15,768	458		17,576
Female					
Sample Number	19	362	6		387
Percent	1.5	36.7	0.6		38.8
Std. Error	0.4	1.7	0.3		1.7
Number	437	10,558	183		11,161
Sexes Combined					
Sample Number	57	839	22		918
Percent	6.2	91.5	2.2		100.0
Std. Error	0.9	1.0	0.5		----
Number	1,797	26,326	642		28,766

Appendix Table 24. District 110 commercial purse seine catch of chum salmon; length (mm) by sex, age, and sampling period, 1984.

	Age Group			
	02	03	04	05
Stat. Week 27 (07/01/84 to 07/07/84)				
Males				
Ave. Length	645	666	696	
Std. Error	---	4.4	13.1	
Samp. Size	1	107	11	
Females				
Ave. Length		631	663	
Std. Error		3.2	9.3	
Samp. Size		135	15	
Stat. Week 28 (07/08/84 to 07/14/84)				
Males				
Ave. Length	597	628	663	
Std. Error	10.5	3	15.8	
Samp. Size	11	214	11	
Females				
Ave. Length	571	612	665	
Std. Error	4	2.7	14.5	
Samp. Size	2	141	9	
Stat. Week 29 (07/15/84 to 07/21/84)				
Males				
Ave. Length	582	615	692	
Std. Error	5.5	2.8	14.5	
Samp. Size	18	177	2	
Females				
Ave. Length	583	609	660	
Std. Error	18.6	3.9	8.5	
Samp. Size	3	100	2	

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Appendix Table 24. District 110 commercial purse seine catch of chum salmon; length (mm) by sex, age, and sampling period, 1984 (continued).

	Age Group			
	02	03	04	05
Stat. Week 30 (07/22/84 to 07/28/84)				
Males				
Ave. Length	590	621	677	
Std. Error	18.4	3.4	11.4	
Samp. Size	7	139	7	
Females				
Ave. Length	593	603	640	
Std. Error	11.9	2.5	50.8	
Samp. Size	14	168	3	
Stat. Week 31 (07/29/84 to 08/04/84)				
Males				
Ave. Length	626	651		
Std. Error	3	13.2		
Samp. Size	161	7		
Females				
Ave. Length	605	635		
Std. Error	2.4	---		
Samp. Size	93	1		
Seasonal Average Length Combined Periods (07/15/84 to 08/11/84)				
Males				
Ave. Length	579	620	667	
Std. Error	5.4	1.8	8.4	
Samp. Size	38	477	16	
Females				
Ave. Length	592	605	646	
Std. Error	9.1	1.7	23.3	
Samp. Size	19	361	6	

Appendix Table 25. District 111 commercial gill net catch of chum salmon;
age and sex composition by sampling period, 1984.

	Age Group				
	02	03	04	05	Total
Stat. Week 25 (06/17/84 to 06/23/84)					
Male					
Sample Number		3	1		4
Percent		18.8	6.3		25.1
Std. Error		10.1	6.3		11.2
Number		39	13		52
Female					
Sample Number		8	4		12
Percent		50.0	25.0		75.0
Std. Error		12.9	11.2		11.2
Number		103	51		154
Sexes Combined					
Sample Number		11	5		16
Percent		68.8	31.3		100.0
Std. Error		12.0	12.0		---
Number		141	64		205
Stat. Week 26 (06/24/84 to 06/30/84)					
Male					
Sample Number	5	153	19	1	178
Percent	1.6	47.5	5.9	0.3	55.3
Std. Error	0.7	2.8	1.3	0.3	2.8
Number	19	572	71	4	666
Female					
Sample Number	3	117	23	1	144
Percent	0.9	36.3	7.1	0.3	44.6
Std. Error	0.5	2.7	1.4	0.3	2.8
Number	11	437	85	4	537
Sexes Combined					
Sample Number	8	270	42	2	322
Percent	2.5	83.8	13.0	0.6	100.0
Std. Error	0.9	2.1	1.9	0.4	---
Number	30	1009	157	7	1204

-Continued-

Appendix Table 25. District 111 commercial gill net catch of chum salmon; age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total
Stat. Week 27 (07/01/84 to 07/07/84)					
Male					
Sample Number	5	160	36	5	206
Percent	1.5	48.3	10.9	1.5	62.2
Std. Error	0.7	2.8	1.7	0.7	2.7
Number	95	3051	689	95	3930
Female					
Sample Number		103	20	2	125
Percent		31.1	6.0	0.6	37.7
Std. Error		2.5	1.3	0.4	2.7
Number		1965	379	38	2382
Sexes Combined					
Sample Number	5	263	56	7	331
Percent	1.5	79.4	16.9	2.1	100.0
Std. Error	0.7	2.2	2.1	0.8	---
Number	95	5016	1068	133	6317
Stat. Week 28 (07/08/84 to 07/14/84)					
Male					
Sample Number	7	144	15		166
Percent	2.4	50.2	5.2		57.8
Std. Error	0.9	3.0	1.3		2.9
Number	218	4560	472		5250
Female					
Sample Number	2	113	6		121
Percent	0.7	39.4	2.1		42.2
Std. Error	0.5	2.9	0.8		2.9
Number	64	3579	191		3834
Sexes Combined					
Sample Number	9	257	21		287
Percent	3.1	89.6	7.3		100.0
Std. Error	1.0	1.8	1.5		---
Number	282	8138	663		9083

-Continued-

Appendix Table 25. District 111 commercial gill net catch of chum salmon; age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total

Stat. Week 29 (07/15/84 to 07/21/84)

Male					
Sample Number	9	204	9	2	224
Percent	1.7	39.1	1.7	0.4	42.9
Std. Error	0.6	2.1	0.6	0.3	2.2
Number	112	2568	112	26	2818
Female					
Sample Number	6	288	4		298
Percent	1.1	55.2	0.8		57.1
Std. Error	0.5	2.2	0.4		2.2
Number	72	3625	53		3750
Sexes Combined					
Sample Number	15	492	13	2	522
Percent	2.8	94.3	2.5	0.4	100.0
Std. Error	0.7	1.0	0.7	0.3	---
Number	184	6193	164	26	6567

Stat. Week 30 (07/22/84 to 07/28/84)

Male					
Sample Number	1	35	2		38
Percent	1.1	36.8	2.1		40.0
Std. Error	1.1	5.0	1.5		5.1
Number	76	2531	144		2751
Female					
Sample Number	3	53	1		57
Percent	3.2	55.8	1.1		60.1
Std. Error	1.8	5.1	1.1		5.1
Number	220	3837	76		4133
Sexes Combined					
Sample Number	4	88	3		95
Percent	4.3	92.6	3.2		100.0
Std. Error	2.1	2.7	1.8		---
Number	296	6368	220		6877

-Continued-

Appendix Table 25. District 111 commercial gill net catch of chum salmon; age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total

Stat. Week 31 (07/29/84 to 08/04/84)

Male

Sample Number	3	81	5	89
Percent	1.5	41.8	2.6	45.9
Std. Error	0.9	3.6	1.1	3.6
Number	94	2610	162	2866

Female

Sample Number	5	97	3	105
Percent	2.6	50.0	1.5	54.1
Std. Error	1.1	3.6	0.9	3.6
Number	162	3122	94	3378

Sexes Combined

Sample Number	8	178	8	194
Percent	4.1	91.8	4.1	100.0
Std. Error	1.4	2.0	1.4	----
Number	256	5731	256	6243

Stat. Week 32 - 33 (08/05/84 to 08/18/84)

Male

Sample Number	4	64	3	71
Percent	3.3	52.0	2.4	57.7
Std. Error	1.6	4.5	1.4	4.5
Number	306	4822	223	5351

Female

Sample Number	4	46	2	52
Percent	3.3	37.4	1.6	42.3
Std. Error	1.6	4.4	1.1	4.5
Number	306	3468	148	3922

Sexes Combined

Sample Number	8	110	5	123
Percent	6.6	89.4	4.0	100.0
Std. Error	2.2	2.8	1.8	----
Number	612	8291	371	9274

-Continued-

Appendix Table 25. District 111 commercial gill net catch of chum salmon; age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total
Stat. Week 34 (08/19/84 to 08/25/84)					
Male					
Sample Number	10	124	19		153
Percent	2.8	34.7	5.3		42.8
Std. Error	0.9	2.5	1.2		2.6
Number	196	2434	372		3002
Female					
Sample Number	19	168	17		204
Percent	5.3	47.1	4.8		57.2
Std. Error	1.2	2.6	1.1		2.6
Number	372	3304	337		4013
Sexes Combined					
Sample Number	29	292	36		357
Percent	8.1	81.8	10.1		100.0
Std. Error	1.4	2.0	1.6		---
Number	568	5738	709		7015
Stat. Week 35 (08/26/84 to 09/01/84)					
Male					
Sample Number	8	155	9		172
Percent	2.3	44.0	2.6		48.9
Std. Error	0.8	2.6	0.8		2.7
Number	352	6728	398		7478
Female					
Sample Number	4	158	18		180
Percent	1.1	44.9	5.1		51.1
Std. Error	0.6	2.7	1.2		2.7
Number	168	6865	780		7813
Sexes Combined					
Sample Number	12	313	27		352
Percent	3.4	88.9	7.7		100.0
Std. Error	1.0	1.7	1.4		---
Number	520	13593	1177		15290

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Appendix Table 25. District 111 commercial gill net catch of chum salmon; age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total

Stat. Week 36 (09/02/84 to 09/08/84)

Male

Sample Number	11	105	21	137
Percent	4.1	39.3	7.9	51.3
Std. Error	1.2	3.0	1.7	3.1
Number	371	3554	714	4639

Female

Sample Number	5	110	15	130
Percent	1.9	41.2	5.6	48.7
Std. Error	0.8	3.0	1.4	3.1
Number	172	3726	506	4404

Sexes Combined

Sample Number	16	215	36	267
Percent	6.0	80.5	13.5	100.0
Std. Error	1.5	2.4	2.1	----
Number	543	7280	1221	9044

Stat. Week 37 - 39 (09/09/84 to 09/29/84)

Male

Sample Number	21	187	20	228
Percent	4.3	38.2	4.1	46.6
Std. Error	0.9	2.2	0.9	2.3
Number	411	3655	392	4458

Female

Sample Number	11	226	24	261
Percent	2.2	46.2	4.9	53.3
Std. Error	0.7	2.3	1.0	2.3
Number	210	4420	469	5099

Sexes Combined

Sample Number	32	413	44	489
Percent	6.5	84.4	9.0	100.0
Std. Error	1.1	1.6	1.3	----
Number	622	8075	861	9567

-Continued-

Appendix Table 25. District 111 commercial gill net catch of chum salmon; age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total
Combined Periods (06/17/84 to 09/29/84)					
Male					
Sample Number	84	1415	159	8	1666
Percent	2.6	42.8	4.3	0.1	49.8
Std. Error	0.3	1.0	0.4	0.1	1.0
Number	2250	37124	3762	125	43170
Female					
Sample Number	62	1487	137	3	1689
Percent	2.0	44.4	3.7	0.0	50.1
Std. Error	0.3	1.0	0.4	0.0	1.0
Number	1757	38451	3169	42	43430
Sexes Combined					
Sample Number	146	2902	296	11	3355
Percent	4.6	87.2	8.0	0.1	100.0
Std. Error	0.4	0.7	0.5	0.1	---
Number	4008	75573	6931	166	86686

Appendix Table 26. District 111 commercial gill net catch of chum salmon; length (mm) by sex, age, and sampling period, 1984.

	Age Group			
	02	03	04	05

Stat. Week 25 (06/17/84 to 06/23/84)

Males

Ave. Length	690	725		
Std. Error	12.6	---		
Sample Size	3	1		

Females

Ave. Length	647	711		
Std. Error	13.8	23.8		
Sample Size	8	4		

Stat. Week 26 (06/24/84 to 06/30/84)

Males

Ave. Length	630	664	713	725
Std. Error	12.1	3.5	10.0	---
Sample Size	5	153	19	1

Females

Ave. Length	565	635	667	702
Std. Error	20.2	4.0	6.6	---
Sample Size	3	117	23	1

Stat. Week 27 (07/01/84 to 07/07/84)

Males

Ave. Length	603	663	699	702
Std. Error	22.3	2.9	7.8	17.8
Sample Size	5	159	36	5

Females

Ave. Length	630	674	660	
Std. Error	3.7	6.5	26.5	
Sample Size	103	20	2	

-Continued-

Appendix Table 26. District 111 commercial gill net catch of chum salmon; length (mm) by sex, age, and sampling period, 1984 (continued).

	Age Group			
	02	03	04	05

Stat. Week 28 (07/08/84 to 07/14/84)

Males				
Ave. Length	591	628	677	
Std. Error	8.1	3.4	8.8	
Sample Size	7	144	15	
Females				
Ave. Length	628	616	662	
Std. Error	35.5	2.7	6.7	
Sample Size	2	113	6	

Stat. Week 29 (07/15/84 to 07/21/84)

Males				
Ave. Length	609	622	668	633
Std. Error	8.9	2.7	23.7	22.5
Sample Size	9	204	9	2
Females				
Ave. Length	582	607	632	
Std. Error	11.7	1.7	10.8	
Sample Size	6	288	4	

Stat. Week 30 (07/22/84 to 07/28/84)

Males				
Ave. Length	530	653	750	
Std. Error	---	6.5	25.0	
Sample Size	1	35	2	
Females				
Ave. Length	538	613	660	
Std. Error	15.9	3.8	---	
Sample Size	3	53	1	

-Continued-

Appendix Table 26. District 111 commercial gill net catch of chum salmon; length (mm) by sex, age, and sampling period, 1984 (continued).

	Age Group			
	02	03	04	05

Stat. Week 31 (07/29/84 to 08/04/84)

Males

Ave. Length	610	634	675
Std. Error	32.1	4.2	13.3
Sample Size	3	81	5

Females

Ave. Length	558	610	627
Std. Error	22.2	2.8	22.4
Sample Size	5	97	3

Stat. Week 32 - 33 (08/05/84 to 08/17/84)

Males

Ave. Length	618	640	679
Std. Error	6.3	5.0	36.5
Sample Size	4	64	3

Females

Ave. Length	586	619	659
Std. Error	8.5	4.0	16.0
Sample Size	4	46	2

Stat. Week 34 (08/19/84 to 08/25/84)

Males

Ave. Length	609	651	701
Std. Error	11.4	5.7	8.7
Sample Size	10	123	19

Females

Ave. Length	605	641	657
Std. Error	10.0	2.7	8.7
Sample Size	19	168	17

-Continued-

Appendix Table 26. District 111 commercial gill net catch of chum salmon length (mm) by sex, age, and sampling period, 1984 (continued).

	Age Group			
	02	03	04	05

Stat. Week 35 (08/26/84 to 09/01/84)

Males

Ave. Length	624	662	690
Std. Error	6.1	3.0	12.7
Sample Size	8	155	9

Females

Ave. Length	600	640	667
Std. Error	8.4	2.0	6.0
Sample Size	4	157	18

Stat. Week 36 (09/02/84 to 09/08/84)

Males

Ave. Length	634	663	697
Std. Error	12.6	3.5	8.9
Sample Size	7	81	17

Females

Ave. Length	625	649	675
Std. Error	8.5	3.0	6.9
Sample Size	5	104	13

-Continued-

Appendix Table 26. District 111 commercial gill net catch of chum salmon; length (mm) by sex, age, and sampling period, 1984 (continued).

	Age Group			
	02	03	04	05
Stat. Week 37 - 39 (09/09/84 to 09/29/84)				
Males				
Ave. Length	620	662	704	
Std. Error	6.2	2.3	9.7	
Sample Size	21	187	20	
Females				
Ave. Length	616	641	664	
Std. Error	8.4	1.9	5.2	
Sample Size	11	226	24	
Seasonal Average Length Combined Periods (06/17/84 to 09/29/84)				
Males				
Ave. Length	614	649	697	688
Std. Error	3.6	1.2	3.6	16.8
Samp. Size	80	1388	155	8
Females				
Ave. Length	597	628	666	674
Std. Error	5.1	0.9	2.6	20.9
Samp. Size	62	1480	135	3

Appendix Table 27. District 112 commercial purse seine catch of chum salmon; age and sex composition by sampling period, 1984.

	Age Group				
	02	03	04	05	Total
Stat. Week 27 (07/01/84 to 07/07/84)					
Male					
Sample Number	7	308	26	1	342
Percent	1.2	53.6	4.5	0.2	59.5
Std. Error	0.5	2.1	0.9	0.2	2.0
Number	1,383	61,769	5,186	230	68,568
Female					
Sample Number	2	209	22		233
Percent	0.3	36.3	3.8		40.4
Std. Error	0.2	2.0	0.8		2.0
Number	346	41,832	4,379		46,557
Sexes Combined					
Sample Number	9	517	48	1	575
Percent	1.5	89.9	8.3	0.2	100.0
Std. Error	0.5	1.3	1.2	0.2	----
Number	1,729	103,601	9,565	230	115,240
Stat. Week 28 (07/08/84 to 07/14/84)					
Male					
Sample Number	2	85	4		91
Percent	1.4	59.0	2.8		63.2
Std. Error	1.0	4.1	1.4		4.0
Number	3548	149515	7096		160158
Female					
Sample Number	1	49	3		53
Percent	0.7	34.0	2.1		36.8
Std. Error	0.7	4.0	1.2		4.0
Number	1774	86161	5322		93257
Sexes Combined					
Sample Number	3	134	7		144
Percent	2.1	93.0	4.9		100.0
Std. Error	1.2	2.1	1.8		----
Number	5322	235676	12417		253415

-Continued-

Appendix Table 27. District 112 commercial purse seine catch of chum salmon; age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total
Stat. Week 29 (07/15/84 to 07/21/84)					
Male					
Sample Number	7	188	26		221
Percent	1.5	40.9	5.7		48.1
Std. Error	0.6	2.3	1.1		2.3
Number	3480	94892	13225		111596
Female					
Sample Number	1	210	28		239
Percent	0.2	45.7	6.1		52.0
Std. Error	0.2	2.3	1.1		2.3
Number	464	106028	14153		120645
Sexes Combined					
Sample Number	8	398	54		460
Percent	1.7	86.6	11.8		100.0
Std. Error	0.6	1.6	1.5		---
Number	3944	200920	27377		232009
Stat. Week 30 (07/22/84 to 07/28/84)					
Male					
Sample Number	12	263	7		282
Percent	1.9	40.8	1.1		43.8
Std. Error	0.5	1.9	0.4		2.0
Number	2205	47350	1277		50832
Female					
Sample Number	9	331	17		357
Percent	1.4	51.4	2.6		55.4
Std. Error	0.5	2.0	0.6		2.0
Number	1625	59652	3017		64294
Sexes Combined					
Sample Number	22	598	24		644
Percent	3.3	92.2	3.7		100.0
Std. Error	0.7	1.1	0.7		---
Number	3830	107002	4294		116054

-Continued-

Appendix Table 27. District 112 commercial purse seine catch of chum salmon; age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total
Stat. Week 31 (07/29/84 to 08/04/84)					
Male					
Sample Number	2	128	2		132
Percent	0.7	43.8	0.7		45.2
Std. Error	0.5	2.9	0.5		2.9
Number	234	14631	234		15099
Female					
Sample Number	6	148	5	1	160
Percent	2.1	50.7	1.7	0.3	54.8
Std. Error	0.8	2.9	0.8	0.3	2.9
Number	702	16936	568	100	18306
Sexes Combined					
Sample Number	8	276	7	1	292
Percent	2.8	94.5	2.4	0.3	100.0
Std. Error	1.0	1.3	0.9	0.3	---
Number	935	31568	802	100	33405
Stat. Week 32 (08/05/84 to 08/11/84)					
Male					
Sample Number	4	142	9		155
Percent	1.1	37.5	2.4		41.0
Std. Error	0.5	2.5	0.8		2.5
Number	460	15683	1004		17147
Female					
Sample Number	3	211	10		224
Percent	0.8	55.7	2.6		59.1
Std. Error	0.5	2.6	0.8		2.5
Number	335	23294	1087		24716
Sexes Combined					
Sample Number	7	353	19		379
Percent	1.9	93.2	5.0		100.0
Std. Error	0.7	1.3	1.1		---
Number	795	38977	2091		41821

-Continued-

Appendix Table 27. District 112 commercial purse seine catch of chum salmon; age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total
Stat. Week 33 (08/12/84 to 08/18/84)					
Male					
Sample Number	3	98	3		104
Percent	1.4	46.2	1.4		49.0
Std. Error	0.8	3.4	0.8		3.4
Number	409	13498	409		14316
Female					
Sample Number	6	96	6		108
Percent	2.8	45.3	2.8		50.9
Std. Error	1.1	3.4	1.1		3.4
Number	818	13235	818		14871
Sexes Combined					
Sample Number	9	194	9		212
Percent	4.2	91.5	4.2		100.0
Std. Error	1.4	1.9	1.4		---
Number	1227	26734	1227		29217
Stat. Week 34 - 35 (08/19/84 to 09/01/84)					
Male					
Sample Number	2	83	8		93
Percent	1.2	48.5	4.7		54.4
Std. Error	0.8	3.8	1.6		3.8
Number	183	7376	715		8274
Female					
Sample Number	2	69	7		78
Percent	1.2	40.4	4.1		45.7
Std. Error	0.8	3.8	1.5		3.8
Number	183	6144	624		6951
Sexes Combined					
Sample Number	4	152	15		171
Percent	2.4	88.9	8.8		100.0
Std. Error	1.2	2.4	2.2		---
Number	365	13521	1338		15209

-Continued-

Appendix Table 27. District 112 commercial purse seine catch of chum salmon; age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total
Stat. Week 36 (09/02/84 to 09/08/84)					
Male					
Sample Number	19	250	4		273
Percent	2.8	37.5	0.6		40.9
Std. Error	0.6	1.9	0.3		1.9
Number	460	6165	99		6724
Female					
Sample Number	19	357	18		394
Percent	2.8	53.5	2.7		59.0
Std. Error	0.6	1.9	0.6		1.9
Number	460	8796	444		9700
Sexes Combined					
Sample Number	38	607	22		667
Percent	5.6	91.0	3.3		100.0
Std. Error	0.9	1.1	0.7		---
Number	921	14961	543		16441
Combined Periods (07/01/84 to 09/08/84)					
Male					
Sample Number	58	1545	89	1	1693
Percent	1.4	48.2	3.4	0.0	53.0
Std. Error	0.3	1.4	0.5	0.0	1.4
Number	12362	410879	29243	230	451990
Female					
Sample Number	49	1680	116	1	1846
Percent	0.8	42.5	3.6	0.0	46.9
Std. Error	0.2	1.4	0.5	0.0	1.4
Number	6705	362079	30412	100	399968
Sexes Combined					
Sample Number	108	3229	205	2	3544
Percent	2.2	90.6	7.0	0.0	100.0
Std. Error	0.4	0.8	0.7	0.0	---
Number	19067	772959	59654	331	852811

Appendix Table 28. District 112 commercial purse seine catch of chum salmon; length (mm) by sex, age, and sampling period, 1984.

	Age Group			
	02	03	04	05
Stat. Week 27 (07/01/84 to 07/07/84)				
Males				
Ave. Length	566	642	673	710
Std. Error	13.9	2.8	13.7	---
Samp. Size	5	275	24	1
Females				
Ave. Length	556	614	656	
Std. Error	1	2.7	6.2	
Samp. Size	2	182	21	
Stat. Week 28 (07/08/84 to 07/14/84)				
Males				
Ave. Length	556	630	729	
Std. Error	7	3.8	14.2	
Samp. Size	2	85	4	
Females				
Ave. Length	560	609	629	
Std. Error	---	5.1	23.2	
Samp. Size	1	49	3	
Stat. Week 29 (07/15/84 to 07/21/84)				
Males				
Ave. Length	613	645	693	
Std. Error	17.2	2.9	6.1	
Samp. Size	7	188	26	
Females				
Ave. Length	615	624	674	
Std. Error	---	2.4	6.4	
Samp. Size	1	210	28	

-Continued-

Appendix Table 28. District 112 commercial purse seine catch of chum salmon; length (mm) by sex, age, and sampling period, 1984 (continued).

	Age Group			
	02	03	04	05

Stat. Week 30 (07/22/84 to 07/28/84)

Males

Ave. Length	597	621	686
Std. Error	9.9	2.2	15.8
Samp. Size	12	262	7

Females

Ave. Length	593	609	635
Std. Error	10.5	1.6	9.7
Samp. Size	9	330	17

Stat. Week 31 (07/29/84 to 08/04/84)

Males

Ave. Length	575	620	650
Std. Error	20	3.5	40
Samp. Size	2	127	2

Females

Ave. Length	583	604	621	620
Std. Error	10.8	2.2	21.6	---
Samp. Size	6	147	5	1

Stat. Week 32 (08/05/84 to 08/11/84)

Males

Ave. Length	661	641	700
Std. Error	14.1	4.2	12.6
Samp. Size	4	142	9

Females

Ave. Length	573	615	681
Std. Error	8.8	2.7	17.7
Samp. Size	3	211	10

-Continued-

Appendix Table 28. District 112 commercial purse seine catch of chum salmon; length (mm) by sex, age, and sampling period, 1984 (continued).

	Age Group			
	02	03	04	05

Stat. Week 33 (08/12/84 to 08/18/84)

Males

Ave. Length	573	631	652
Std. Error	21.3	3.9	20.9
Samp. Size	3	98	

Females

Ave. Length	592	607	659
Std. Error	9.5	3.1	14
Samp. Size	6	96	6

Stat. Week 34 (08/19/84 to 08/25/84)

Males

Ave. Length		631	695
Std. Error		8.1	---
Samp. Size		29	1

Females

Ave. Length		602	
Std. Error		12.8	
Samp. Size		9	

Stat. Week 35 (08/26/84 to 09/01/84)

Males

Ave. Length	568	659	707
Std. Error	42.5	4.5	9.9
Samp. Size	2	54	7

Females

Ave. Length	578	634	694
Std. Error	7.5	3.7	6.8
Samp. Size	2	60	7

-Continued-

Appendix Table 28. District 112 commercial purse seine catch of chum salmon; length (mm) by sex, age, and sampling period, 1984 (continued).

	Age Group			
	02	03	04	05
Stat. Week 36 (09/02/84 to 09/08/84)				
Males				
Ave. Length	619	640	695	
Std. Error	8.4	1.9	4.6	
Samp. Size	19	250	4	
Females				
Ave. Length	596	627	644	
Std. Error	7.3	1.5	8.8	
Samp. Size	19	357	18	
Seasonal Average Length		Combined Periods (07/01/84 to 09/08/84)		
Males				
Ave. Length	604	636	688	710
Std. Error	5.7	1.1	5	---
Samp. Size	56	1510	87	1
Females				
Ave. Length	589	616	658	620
Std. Error	4.1	0.8	3.8	---
Samp. Size	49	1651	115	1

Appendix Table 29. District 113 commercial purse seine catch of chum salmon; age and sex composition by sampling period, 1984.

	Age Group				
	02	03	04	05	Total
Stat. Week 29 - 31 (07/15/84 to 08/04/84)					
Male					
Sample Number	16	212	10		238
Percent	2.8	36.9	1.7		41.4
Std. Error	0.7	2.0	0.5		2.1
Number	387	5103	235		5725
Female					
Sample Number	16	304	16	1	337
Percent	2.8	52.9	2.8	0.2	58.7
Std. Error	0.7	2.1	0.7	0.2	2.1
Number	387	7315	387	28	8117
Sexes Combined					
Sample Number	32	516	26	1	575
Percent	5.6	89.8	4.5	0.2	100.0
Std. Error	1.0	1.3	0.9	0.2	---
Number	774	12418	622	28	13828
Stat. Week 32 - 33 (08/05/84 to 08/17/84)					
Male					
Sample Number	13	167	3		183
Percent	3.8	49.3	0.9		54.0
Std. Error	1.0	2.7	0.5		2.7
Number	3132	40637	742		44512
Female					
Sample Number	11	139	5		155
Percent	3.2	41.0	1.5		45.7
Std. Error	1.0	2.7	0.7		2.7
Number	2638	33796	1236		37670
Sexes Combined					
Sample Number	24	307	8		339
Percent	7.0	90.3	2.4		100.0
Std. Error	1.4	1.6	0.8		---
Number	5770	74433	1978		82429

-Continued-

Appendix Table 29. District 113 commercial purse seine catch of chum salmon; age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total
Stat. Week 34 (08/19/84 to 08/25/84)					
Male					
Sample Number	6	98	4		108
Percent	3.4	55.4	2.3		61.1
Std. Error	1.4	3.7	1.1		3.7
Number	434	7070	294		7797
Female					
Sample Number	2	66	1		69
Percent	1.1	37.3	0.6		39.0
Std. Error	0.8	3.6	0.6		3.7
Number	140	4760	77		4977
Sexes Combined					
Sample Number	8	164	5		177
Percent	4.5	92.7	2.9		100.0
Std. Error	1.6	2.0	1.3		---
Number	574	11829	370		12761
Stat. Week 35 (08/26/84 to 09/01/84)					
Male					
Sample Number	10	79	9		98
Percent	4.7	36.9	4.2		45.8
Std. Error	1.5	3.3	1.4		3.4
Number	1352	10616	1208		13177
Female					
Sample Number	6	99	10		115
Percent	2.8	46.3	4.7		53.8
Std. Error	1.1	3.4	1.5		3.4
Number	806	13321	1352		15478
Sexes Combined					
Sample Number	16	179	19		214
Percent	7.5	83.2	8.9		100.0
Std. Error	1.8	2.6	2.0		---
Number	2158	23937	2561		28770

-Continued-

Appendix Table 29. District 113 commercial purse seine catch of chum salmon; age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total
Stat. Week 36 - 37 (09/02/84 to 09/15/84)					
Male					
Sample Number	9	170	12		191
Percent	2.2	41.0	2.9		46.1
Std. Error	0.7	2.4	0.8		2.4
Number	412	7686	544		8642
Female					
Sample Number	11	203	10		224
Percent	2.7	48.9	2.4		54.0
Std. Error	0.8	2.5	0.8		2.4
Number	506	9167	450		10123
Sexes Combined					
Sample Number	20	373	22		415
Percent	4.9	89.9	5.3		100.0
Std. Error	1.1	1.5	1.1		---
Number	919	16853	994		18746
Combined Periods (07/15/84 to 09/15/84)					
Male					
Sample Number	54	726	38		818
Percent	3.7	45.4	1.9		51.0
Std. Error	0.6	1.6	0.4		1.6
Number	5718	71112	3022		79832
Female					
Sample Number	46	811	42	1	900
Percent	2.9	43.7	2.2	0.0	48.8
Std. Error	0.6	1.6	0.5	0.0	1.6
Number	4477	68358	3502	28	76389
Sexes Combined					
Sample Number	100	1539	80	1	1720
Percent	6.5	89.1	4.2	0.0	100.0
Std. Error	0.8	1.0	0.6	0.0	---
Number	10195	139470	6525	28	156534

Appendix Table 30. District 113 commercial purse seine catch of chum salmon; length (mm) by sex, age, and sampling period, 1984.

	Age Group			
	02	03	04	05

Stat. Week 29 (07/15/84 to 07/21/84)

Males
 Ave. Length
 Std. Error
 Samp. Size

Females
 Ave. Length
 Std. Error
 Samp. Size

645	685
---	---
1	1

Stat. Week 31 (07/29/84 to 08/04/84)

Males
 Ave. Length
 Std. Error
 Samp. Size

Females
 Ave. Length
 Std. Error
 Samp. Size

590	619	668	
8.7	2.9	9.2	
16	211	10	
579	599	650	645
7.2	2.6	9.7	---
16	303	15	1

Stat. Week 32 (08/05/84 to 08/11/84)

Males
 Ave. Length
 Std. Error
 Samp. Size

Females
 Ave. Length
 Std. Error
 Samp. Size

550	608	723	
15.3	6.6	27.5	
3	26	2	
560	594		
---	5.6		
1	30		

-Continued-

Appendix Table 30. District 113 commercial purse seine catch of chum salmon; length (mm) by sex, age, and sampling period, 1984 (continued).

	Age Group			
	02	03	04	05

Stat. Week 33 (08/12/84 to 08/18/84)

Males				
Ave. Length	579	623	720	
Std. Error	8.8	3.7	---	
Samp. Size	10	141	1	

Females				
Ave. Length	576	603	667	
Std. Error	10.6	3.7	11.6	
Samp. Size	10	109	5	

Stat. Week 34 (08/19/84 to 08/25/84)

Males				
Ave. Length	600	626	675	
Std. Error	5.2	3.8	19	
Samp. Size	6	98	4	

Females				
Ave. Length	555	615	670	
Std. Error	30	4.1	---	
Samp. Size	2	66	1	

Stat. Week 35 (08/26/84 to 09/01/84)

Males				
Ave. Length	601	657	690	
Std. Error	13.7	4.6	9.4	
Samp. Size	10	79	9	

Females				
Ave. Length	583	628	666	
Std. Error	21	3	9.4	
Samp. Size	6	99	10	

-Continued-

Appendix Table 30. District 113 commercial purse seine catch of chum salmon; length (mm) by sex, age, and sampling period, 1984 (continued).

	Age Group			
	02	03	04	05
Stat. Week 36 (09/02/84 to 09/08/84)				
Males				
Ave. Length	633	658	693	
Std. Error	13.9	2.7	12	
Samp. Size	7	151	11	
Females				
Ave. Length	599	635	684	
Std. Error	9.7	2.4	8.6	
Samp. Size	9	151	10	
Stat. Week 37 (09/09/84 to 09/15/84)				
Males				
Ave. Length		635	690	
Std. Error		7.7	---	
Samp. Size		19	1	
Females				
Ave. Length	575	629		
Std. Error		4.2		
Samp. Size	2	52		
Seasonal Average Length Combined Periods (07/15/84 to 09/15/84)				
Males				
Ave. Length	595	633	686	
Std. Error	5.1	1.6	5.6	
Samp. Size	53	725	38	
Females				
Ave. Length	581	613	665	645
Std. Error	4.9	1.4	5.1	---
Samp. Size	46	811	42	1

Appendix Table 31. District 114 commercial purse seine catch of chum salmon;
age and sex composition by sampling period, 1984.

	Age Group				
	02	03	04	05	Total
Stat. Week 27 (07/01/84 to 07/07/84)					
Male					
Sample Number	152	118	1		271
Percent	30.0	23.3	0.2		53.5
Std. Error	2.0	1.9	0.2		2.2
Number	3245	2520	22		5786
Female					
Sample Number	148	86	2		236
Percent	29.2	17.0	0.4		46.6
Std. Error	2.0	1.7	0.3		2.2
Number	3158	1839	43		5040
Sexes Combined					
Sample Number	300	204	3		507
Percent	59.2	40.3	0.6		100.0
Std. Error	2.2	2.2	0.3		---
Number	6402	4358	65		10815
Stat. Week 28 (07/08/84 to 07/14/84)					
Male					
Sample Number	1	214	47	1	263
Percent	0.2	40.2	8.8	0.2	49.4
Std. Error	0.2	2.1	1.2	0.2	2.2
Number	103	20691	4529	103	25426
Female					
Sample Number	2	220	47		269
Percent	0.4	41.4	8.8		50.6
Std. Error	0.3	2.1	1.2		2.2
Number	206	21309	4529		26044
Sexes Combined					
Sample Number	3	434	94	1	532
Percent	0.6	81.6	17.6	0.2	100.0
Std. Error	0.3	1.7	1.7	0.2	---
Number	309	42000	9059	103	51470

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Appendix Table 31. District 114 commercial purse seine catch of chum salmon; age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total
Stat. Week 29 (07/15/84 to 07/21/84)					
Male					
Sample Number	5	125	16		146
Percent	1.4	35.4	4.5		41.3
Std. Error	0.6	2.5	1.1		2.6
Number	127	3214	409		3750
Female					
Sample Number	4	178	25		207
Percent	1.1	50.4	7.1		58.6
Std. Error	0.6	2.7	1.4		2.6
Number	100	4576	645		5320
Sexes Combined					
Sample Number	9	303	41		353
Percent	2.5	85.8	11.6		100.0
Std. Error	0.8	1.9	1.7		---
Number	227	7790	1053		9079
Stat. Week 33 - 34 (08/12/84 to 08/25/84)					
Male					
Sample Number	5	266	22		293
Percent	0.9	50.1	4.1		55.1
Std. Error	0.4	2.2	0.9		2.2
Number	161	8939	732		9831
Female					
Sample Number	7	215	14	2	238
Percent	1.3	40.5	2.6	0.4	44.8
Std. Error	0.5	2.1	0.7	0.3	2.2
Number	232	7226	464	71	7994
Sexes Combined					
Sample Number	12	481	36	2	531
Percent	2.2	90.6	6.7	0.4	100.0
Std. Error	0.6	1.3	1.1	0.3	---
Number	393	16166	1195	71	17843

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Appendix Table 31. District 114 commercial purse seine catch of chum salmon; age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total
Stat. Week 35 (08/26/84 to 09/01/84)					
Male					
Sample Number	7	300	42	2	351
Percent	1.3	54.5	7.6	0.4	63.8
Std. Error	0.5	2.1	1.1	0.3	2.1
Number	231	9687	1351	71	11340
Female					
Sample Number	3	178	18		199
Percent	0.5	32.4	3.3		36.2
Std. Error	0.3	2.0	0.8		2.1
Number	89	5759	587		6435
Sexes Combined					
Sample Number	10	478	60	2	550
Percent	1.8	86.9	10.9	0.4	100.0
Std. Error	0.6	1.4	1.3	0.3	----
Number	320	15446	1937	71	17775
Stat. Week 36 (09/02/84 to 09/08/84)					
Male					
Sample Number	6	276	30	1	313
Percent	1.1	51.0	5.5	0.2	57.8
Std. Error	0.4	2.2	1.0	0.2	2.1
Number	235	10887	1174	43	12339
Female					
Sample Number	4	191	33		228
Percent	0.7	35.3	6.1		42.1
Std. Error	0.4	2.1	1.0		2.1
Number	149	7536	1302		8988
Sexes Combined					
Sample Number	10	467	63	1	541
Percent	1.8	86.3	11.6	0.2	100.0
Std. Error	0.6	1.5	1.4	0.2	----
Number	384	18423	2476	43	21348

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Appendix Table 31. District 114 commercial purse seine catch of chum salmon; age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total
Stat. Week 37 (09/09/84 to 09/15/84)					
Male					
Sample Number	8	186	60	1	255
Percent	1.4	33.2	10.7	0.2	45.5
Std. Error	0.5	2.0	1.3	0.2	2.1
Number	392	9290	2994	56	12732
Female					
Sample Number	7	228	70		305
Percent	1.3	40.7	12.5		54.5
Std. Error	0.5	2.1	1.4		2.1
Number	364	11389	3498		15251
Sexes Combined					
Sample Number	15	414	130	1	560
Percent	2.7	73.9	23.2	0.2	100.0
Std. Error	0.7	1.9	1.8	0.2	----
Number	756	20679	6492	56	27983
Stat. Week 39 (09/23/84 to 09/29/84)					
Male					
Sample Number	32	167	17	1	217
Percent	5.8	30.5	3.1	0.2	39.6
Std. Error	1.0	2.0	0.7	0.2	2.1
Number	297	1564	159	10	2031
Female					
Sample Number	32	259	38	2	331
Percent	5.8	47.3	6.9	0.4	60.4
Std. Error	1.0	2.1	1.1	0.3	2.1
Number	297	2426	354	21	3098
Sexes Combined					
Sample Number	64	426	55	3	548
Percent	11.6	77.8	10.0	0.6	100.0
Std. Error	1.4	1.8	1.3	0.3	----
Number	595	3990	513	31	5129

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Appendix Table 31. District 114 commercial purse seine catch of chum salmon; age and sex composition by sampling period, 1984 (continued).

	Age Group				
	02	03	04	05	Total
Combined Periods (07/01/84 to 09/29/84)					
Male					
Sample Number	64	1686	352	7	2109
Percent	1.0	41.8	8.6	0.2	51.6
Std. Error	0.1	0.9	0.5	0.1	0.9
Number	1546	67518	13868	305	83304
Female					
Sample Number	59	1617	331	6	2013
Percent	0.9	39.3	8.2	0.1	48.5
Std. Error	0.2	0.9	0.5	0.0	0.9
Number	1437	63379	13217	135	78299
Sexes Combined					
Sample Number	123	3303	683	13	4122
Percent	1.8	81.1	16.8	0.3	100.0
Std. Error	0.2	0.7	0.7	0.1	---
Number	2983	130897	27085	440	161442

Appendix Table 32. District 114 commercial purse seine catch of chum salmon; length (mm) by sex, age, and sampling period, 1984.

	Age Group			
	02	03	04	05
Stat. Week 27 (07/01/84 to 07/07/84)				
Males				
Ave. Length		640	677	715
Std. Error		3.6	4.6	---
Samp. Size		152	118	1
Females				
Ave. Length		604	652	668
Std. Error		2.8	3.8	12.5
Samp. Size		148	86	2
Stat. Week 28 (07/08/84 to 07/14/84)				
Males				
Ave. Length	600	629	677	660
Std. Error	---	2.7	6.3	---
Samp. Size	1	214	47	1
Females				
Ave. Length	605	608	638	
Std. Error	5	2.1	4.4	
Samp. Size	2	220	47	
Stat. Week 29 (07/15/84 to 07/21/84)				
Males				
Ave. Length	605	619	661	
Std. Error	2.9	3.9	14.4	
Samp. Size	3	83	14	
Females				
Ave. Length	590	600	652	
Std. Error	10	2.5	4.2	
Samp. Size	2	132	25	

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Appendix Table 32. District 114 commercial purse seine catch of chum salmon; length (mm) by sex, age, and sampling period, 1984 (continued).

	Age Group			
	02	03	04	05
Stat. Week 30 (07/22/84 to 07/28/84)				
Males				
Ave. Length	595	618	668	
Std. Error	5	5.5	7.5	
Samp. Size	2	41	2	
Females				
Ave. Length	620	610		
Std. Error	10	3.5		
Samp. Size	2	46		
Stat. Week 34 (08/19/84 to 08/25/84)				
Males				
Ave. Length	626	668	707	
Std. Error	15.9	2.1	9.3	
Samp. Size	5	264	22	
Females				
Ave. Length	599	645	699	693
Std. Error	13.3	2.3	9	22.5
Samp. Size	7	215	14	2
Stat. Week 35 (08/26/84 to 09/01/84)				
Males				
Ave. Length	625	653	701	708
Std. Error	16.5	2.1	5.8	47.5
Samp. Size	7	299	42	2
Females				
Ave. Length	592	636	691	
Std. Error	8.8	2.2	7.2	
Samp. Size	3	178	18	

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Appendix Table 32. District 114 commercial purse seine catch of chum salmon; length (mm) by sex, age, and sampling period, 1984 (continued).

	Age Group			
	02	03	04	05

Stat. Week 36 (09/02/84 to 09/08/84)

Males				
Ave. Length	615	642	696	740
Std. Error	13.3	2.1	9.9	---
Samp. Size	6	275	30	1
Females				
Ave. Length	630	640	684	
Std. Error	20.1	2.1	4.8	
Samp. Size	4	191	33	

Stat. Week 37 (09/09/84 to 09/15/84)

Males				
Ave. Length	624	659	698	695
Std. Error	7.3	2.8	4.3	---
Samp. Size	8	186	60	1
Females				
Ave. Length	609	644	684	
Std. Error	4	2.4	4.1	
Samp. Size	7	228	70	

Stat. Week 39 (09/23/84 to 09/29/84)

Males				
Ave. Length	612	654	684	715
Std. Error	4.6	2.9	11.4	---
Samp. Size	32	167	17	1
Females				
Ave. Length	611	637	665	693
Std. Error	4.6	2.1	6.2	17.5
Samp. Size	32	259	38	2

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Appendix Table 32. District 114 commercial purse seine catch of chum salmon; length (mm) by sex, age, and sampling period, 1984 (continued).

	Age Group			
	02	03	04	05
Seasonal Average Length Combined Periods (07/01/84 to 09/29/84)				
Males				
Ave. Length	615	648	687	706
Std. Error	3.5	1	2.5	13.9
Samp. Size	64	1681	352	7
Females				
Ave. Length	609	629	666	684
Std. Error	3.4	0.9	2.1	9.6
Samp. Size	59	1617	331	6

Appendix Table 33. District 115 commercial gill net catch of chum salmon in 1984. The age and sex composition are tabulated by statistical week.

	Age Group				
	02	03	04	05	Total

Stat. Week 25 (06/17/84 to 06/23/84)

Male

Sample Number	40	29	3	72
Percent	30.3	22.0	2.3	54.6
Std. Error	4.0	3.6	1.3	4.4
Number	288	209	22	519

Female

Sample Number	36	24		60
Percent	27.3	18.2		45.5
Std. Error	3.9	3.4		4.4
Number	259	173		432

Sexes Combined

Sample Number	76	53	3	132
Percent	57.6	40.2	2.3	100.0
Std. Error	4.3	4.3	1.3	-----
Number	547	381	22	949

Stat. Week 26 (06/24/84 to 06/30/84)

Male

Sample Number	2	132	60	194
Percent	0.5	35.0	15.9	51.4
Std. Error	0.4	2.5	1.9	2.6
Number	7	510	232	749

Female

Sample Number	1	116	65	1	183
Percent	0.3	30.8	17.2	0.3	48.6
Std. Error	0.3	2.4	1.9	0.3	2.6
Number	4	448	250	4	706

Sexes Combined

Sample Number	3	248	125	1	377
Percent	0.8	65.8	33.1	0.3	100.0
Std. Error	0.5	2.4	2.4	0.3	-----
Number	12	958	482	4	1456

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Appendix Table 33. District 115 commercial gill net catch of chum salmon in 1984. The age and sex composition are tabulated by statistical week (continued).

	Age Group				
	02	03	04	05	Total
Stat. Week 27 (07/01/84 to 07/07/84)					
Male					
Sample Number	203	56	3		262
Percent	33.4	9.2	0.5		43.1
Std. Error	1.9	1.2	0.3		2.0
Number	3376	930	51		4357
Female					
Sample Number	1	279	65	1	346
Percent	0.2	45.9	10.7	0.2	57.0
Std. Error	0.2	2.0	1.3	0.2	2.0
Number	20	4640	1082	20	5762
Sexes Combined					
Sample Number	1	482	121	4	608
Percent	0.2	79.3	19.9	0.7	100.0
Std. Error	0.2	1.6	1.6	0.3	---
Number	20	8016	2011	71	10108
Stat. Week 28 (07/08/84 to 07/14/84)					
Male					
Sample Number	6	301	27		334
Percent	0.9	43.9	3.9		48.7
Std. Error	0.4	1.9	0.7		1.9
Number	110	5387	479		5976
Female					
Sample Number	7	319	25		351
Percent	1.0	46.6	3.6		51.2
Std. Error	0.4	1.9	0.7		1.9
Number	123	5718	442		6283
Sexes Combined					
Sample Number	13	620	52		685
Percent	1.9	90.5	7.5		100.0
Std. Error	0.5	1.1	1.0		---
Number	233	11105	920		12271

-Continued-

Appendix Table 33. District 115 commercial gill net catch of chum salmon in 1984. The age and sex composition are tabulated by statistical week (continued).

	Age Group				
	02	03	04	05	Total
Stat. Week 29 (07/15/84 to 07/21/84)					
Male					
Sample Number	5	234	17		256
Percent	0.7	33.6	2.4		36.7
Std. Error	0.3	1.8	0.6		1.8
Number	88	4246	303		4637
Female					
Sample Number	11	396	33		440
Percent	1.6	56.9	4.7		63.2
Std. Error	0.5	1.9	0.8		1.8
Number	202	7191	594		7987
Sexes Combined					
Sample Number	16	630	50		696
Percent	2.3	90.5	7.1		100.0
Std. Error	0.6	1.1	1.0		----
Number	291	11437	897		12638
Stat. Week 30 (07/22/84 to 07/28/84)					
Male					
Sample Number	13	238	23		274
Percent	2.6	47.9	4.6		55.1
Std. Error	0.7	2.2	0.9		2.2
Number	392	7231	694		8317
Female					
Sample Number	14	189	20		223
Percent	2.8	38.0	4.0		44.8
Std. Error	0.7	2.2	0.9		2.2
Number	423	5736	604		6763
Sexes Combined					
Sample Number	27	427	43		497
Percent	5.4	85.9	8.6		100.0
Std. Error	1.0	1.6	1.3		----
Number	815	12967	1298		15096

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Appendix Table 33. District 115 commercial gill net catch of chum salmon in 1984. The age and sex composition are tabulated by statistical week (continued).

	Age Group				
	02	03	04	05	Total
Stat. Week 31 (07/29/84 to 08/04/84)					
Male					
Sample Number	11	195	16		222
Percent	2.0	36.2	3.0		41.2
Std. Error	0.6	2.1	0.7		2.1
Number	141	2547	211		2899
Female					
Sample Number	31	260	25		316
Percent	5.8	48.3	4.6		58.7
Std. Error	1.0	2.2	0.9		2.1
Number	408	3398	324		4130
Sexes Combined					
Sample Number	42	455	41		538
Percent	7.8	84.5	7.6		100.0
Std. Error	1.2	1.6	1.1		---
Number	549	5945	535		7035
Stat. Week 32 (08/05/84 to 08/11/84)					
Male					
Sample Number	26	248	17	1	292
Percent	4.0	38.3	2.6	0.2	45.1
Std. Error	0.8	1.9	0.6	0.2	2.0
Number	467	4470	303	23	5263
Female					
Sample Number	28	308	19		355
Percent	4.3	47.6	2.9		54.8
Std. Error	0.8	2.0	0.7		2.0
Number	502	5556	338		6396
Sexes Combined					
Sample Number	54	556	36	1	647
Percent	8.3	85.9	5.5	0.2	100.0
Std. Error	1.1	1.4	0.9	0.2	---
Number	969	10026	642	23	11672

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Appendix Table 33. District 115 commercial gill net catch of chum salmon in 1984. The age and sex composition are tabulated by statistical week (continued).

	Age Group				
	02	03	04	05	Total
Stat. Week 33 (08/12/84 to 08/18/84)					
Male					
Sample Number	26	180	16		222
Percent	4.7	32.5	2.9		40.1
Std. Error	0.9	2.0	0.7		2.1
Number	522	3612	322		4456
Female					
Sample Number	35	274	23		332
Percent	6.3	49.5	4.2		60.0
Std. Error	1.0	2.1	0.9		2.1
Number	700	5501	467		6668
Sexes Combined					
Sample Number	61	454	39		554
Percent	11.0	82.0	7.1		100.0
Std. Error	1.3	1.6	1.1		---
Number	1222	9113	789		11113
Stat. Week 34 (08/19/84 to 08/25/84)					
Male					
Sample Number	28	171	16		215
Percent	6.6	40.1	3.8		50.5
Std. Error	1.2	2.4	0.9		2.4
Number	832	5054	479		6365
Female					
Sample Number	28	171	12		211
Percent	6.6	40.1	2.8		49.5
Std. Error	1.2	2.4	0.8		2.4
Number	832	5054	353		6239
Sexes Combined					
Sample Number	56	342	28		426
Percent	13.2	80.2	6.6		100.0
Std. Error	1.6	1.9	1.2		---
Number	1664	10108	832		12603

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Appendix Table 33. District 115 commercial gill net catch of chum salmon in 1984. The age and sex composition are tabulated by statistical week (continued).

	Age Group				
	02	03	04	05	Total
Stat. Week 35 (08/26/84 to 09/01/84)					
Male					
Sample Number	29	176	21		226
Percent	5.8	35.1	4.2		45.1
Std. Error	1.0	2.1	0.9		2.2
Number	1656	10025	1200		12881
Female					
Sample Number	34	217	25		276
Percent	6.8	43.2	5.0		55.0
Std. Error	1.1	2.2	1.0		2.2
Number	1942	12338	1428		15708
Sexes Combined					
Sample Number	63	393	46		502
Percent	12.6	78.3	9.2		100.0
Std. Error	1.5	1.8	1.3		---
Number	3599	22362	2628		28560
Stat. Week 36 (09/02/84 to 09/08/84)					
Male					
Sample Number	25	145	22		192
Percent	6.7	38.9	5.9		51.5
Std. Error	1.3	2.5	1.2		2.6
Number	2377	13800	2093		18270
Female					
Sample Number	18	136	27		181
Percent	4.8	36.5	7.2		48.5
Std. Error	1.1	2.5	1.3		2.6
Number	1703	12948	2554		17205
Sexes Combined					
Sample Number	43	281	49		373
Percent	11.5	75.4	13.1		100.0
Std. Error	1.7	2.2	1.7		---
Number	4080	26748	4647		35475

-Continued-

Appendix Table 33. District 115 commercial gill net catch of chum salmon in 1984. The age and sex composition are tabulated by statistical week (continued).

	Age Group				
	02	03	04	05	Total

Stat. Week 37 (09/09/84 to 09/15/84)

Male

Sample Number	39	237	35	311
Percent	6.5	39.7	5.9	52.1
Std. Error	1.0	2.0	1.0	2.0
Number	8052	49151	7300	64503

Female

Sample Number	20	232	34	286
Percent	3.4	38.9	5.7	48.0
Std. Error	0.7	2.0	0.9	2.0
Number	4211	48156	7067	59434

Sexes Combined

Sample Number	59	469	69	597
Percent	9.9	78.6	11.6	100.0
Std. Error	1.2	1.7	1.3	----
Number	12263	97307	14367	123796

Stat. Week 38 (09/16/84 to 09/22/84)

Male

Sample Number	80	408	33	1	522
Percent	8.2	41.6	3.4	0.1	53.3
Std. Error	0.9	1.6	0.6	0.1	1.6
Number	11610	58914	4827	145	75496

Female

Sample Number	38	395	26	459
Percent	3.9	40.3	2.7	46.9
Std. Error	0.6	1.6	0.5	1.6
Number	5524	57076	3823	66423

Sexes Combined

Sample Number	118	803	59	1	981
Percent	12.1	81.9	6.1	0.1	100.0
Std. Error	1.0	1.2	0.8	0.1	----
Number	17134	115990	8650	145	141629

-Continued-

Appendix Table 33. District 115 commercial gill net catch of chum salmon in 1984. The age and sex composition are tabulated by statistical week (continued).

	Age Group				
	02	03	04	05	Total

Stat. Week 39 (09/23/84 to 09/29/84)

Male

Sample Number	43	145	10	1	199
Percent	9.3	31.5	2.2	0.2	43.2
Std. Error	1.4	2.2	0.7	0.2	2.3
Number	14161	47962	3354	300	65767

Female

Sample Number	34	216	11		261
Percent	7.4	47.0	2.4		56.8
Std. Error	1.2	2.3	0.7		2.3
Number	11267	71563	3653		86486

Sexes Combined

Sample Number	77	361	21	1	460
Percent	16.7	78.5	4.6	0.2	100.0
Std. Error	1.7	1.9	1.0	0.2	---
Number	25438	119535	7007	300	152253

Stat. Week 40 - 42 (09/30/84 to 10/20/84)

Male

Sample Number	26	85	5		116
Percent	9.6	31.3	1.8		42.7
Std. Error	1.8	2.8	0.8		3.0
Number	6291	20518	1186		27985

Female

Sample Number	18	134	3	1	156
Percent	6.6	49.3	1.1	0.4	57.4
Std. Error	1.5	3.0	0.6	0.4	3.0
Number	4331	32322	723	259	37635

Sexes Combined

Sample Number	44	219	8	1	272
Percent	16.2	80.6	2.9	0.4	100.0
Std. Error	2.2	2.4	1.0	0.4	---
Number	10622	52830	1909	259	65550

-Continued-

Appendix Table 33. District 115 commercial gill net catch of chum salmon in 1984. The age and sex composition are tabulated by statistical week (continued).

	Age Group				
	02	03	04	05	Total
Combined Weeks (06/17/84 to 10/20/84)					
(Percentages are weighted by period catches)					
Male					
Sample Number	359	3138	403	9	3909
Percent	7.3	36.9	3.8	0.1	48.1
Std. Error	0.5	0.8	0.3	0.1	0.8
Number	46715	237102	24089	530	308906
Female					
Sample Number	318	3678	437	3	4436
Percent	5.0	43.3	3.7	0.0	52.0
Std. Error	0.4	0.8	0.3	0.0	0.8
Number	32177	277923	23836	282	333948
Sexes Combined					
Sample Number	677	6816	840	12	8345
Percent	12.3	80.2	7.5	0.1	100.0
Std. Error	0.6	0.7	0.4	0.1	---
Number	78992	514995	47925	812	642204

Appendix Table 34. Length (mm) of District 115 commercial gill net catch of chum salmon in 1984 by age and sex.

	Age Group			
	02	03	04	05

Stat. Week 25 (06/17/84 to 06/23/84)

Male				
Ave. Length		696	721	717
Std. Error		4.7	5.3	26.8
Sample Size		40	28	3
Female				
Ave. Length		664	668	
Std. Error		6.0	6.8	
Sample Size		36	24	

Stat. Week 26 (06/24/84 to 06/30/84)

Male				
Ave. Length	651	682	714	
Std. Error	24.0	3.4	5.2	
Sample Size	2	132	60	
Female				
Ave. Length	565	646	678	708
Std. Error	---	3.3	4.3	---
Sample Size	1	116	65	1

Stat. Week 27 (07/01/84 to 07/07/84)

Male				
Ave. Length		649	674	
Std. Error		2.5	6.2	
Sample Size		203	56	
Female				
Ave. Length	605	624	651	615
Std. Error	---	1.8	4.1	---
Sample Size	1	276	65	1

-Continued-

Appendix Table 34. Length (mm) of District 115 commercial gill net catch of chum salmon in 1984 by age and sex (continued).

	Age Group			
	02	03	04	05

Stat. Week 28 (07/08/84 to 07/14/84)

Male				
Ave. Length	598	634	652	
Std. Error	14.1	2.1	7.6	
Sample Size	6	301	27	
Female				
Ave. Length	590	619	649	
Std. Error	6.8	1.7	7.7	
Sample Size	7	319	25	

Stat. Week 29 (07/15/84 to 07/21/84)

Male				
Ave. Length	606	649	695	
Std. Error	17.1	3.0	14.2	
Sample Size	5	233	17	
Female				
Ave. Length	576	623	659	
Std. Error	8.6	1.7	7.0	
Sample Size	11	396	33	

Stat. Week 30 (07/22/84 to 07/28/84)

Male				
Ave. Length	611	644	685	
Std. Error	7.7	2.3	9.0	
Sample Size	13	236	23	
Female				
Ave. Length	580	629	659	
Std. Error	7.5	2.2	9.1	
Sample Size	14	187	20	

-Continued-

Appendix Table 34. Length (mm) of District 115 commercial gill net catch of chum salmon in 1984 by age and sex (continued).

	Age Group			
	02	03	04	05

Stat. Week 31 (07/29/84 to 08/04/84)

Male

Ave. Length	593	640	697
Std. Error	10.6	2.5	11.7
Sample Size	11	195	16

Female

Ave. Length	599	627	675
Std. Error	4.9	2.0	9.4
Sample Size	31	260	25

Stat. Week 32 (08/05/84 to 08/11/84)

Male

Ave. Length	596	639	693	755
Std. Error	5.9	2.5	12.8	---
Sample Size	26	247	17	1

Female

Ave. Length	591	626	668
Std. Error	8.0	1.8	8.6
Sample Size	28	308	19

Stat. Week 33 (08/12/84 to 08/18/84)

Male

Ave. Length	604	642	685
Std. Error	6.7	2.9	11.2
Sample Size	26	180	16

Female

Ave. Length	597	631	677
Std. Error	5.5	1.8	7.7
Sample Size	35	274	23

-Continued-

Appendix Table 34. Length (mm) of District 115 commercial gill net catch of chum salmon in 1984 by age and sex (continued).

	Age Group			
	02	03	04	05

Stat. Week 34 (08/19/84 to 08/25/84)

Male

Ave. Length	613	653	708
Std. Error	8.8	3.0	11.3
Sample Size	28	171	16

Female

Ave. Length	599	634	683
Std. Error	4.8	2.7	9.7
Sample Size	28	171	12

Stat. Week 35 (08/26/84 to 09/01/84)

Male

Ave. Length	617	657	731
Std. Error	4.9	2.8	6.7
Sample Size	29	176	21

Female

Ave. Length	608	647	693
Std. Error	4.6	2.0	7.5
Sample Size	34	217	25

Stat. Week 36 (09/02/84 to 09/08/84)

Male

Ave. Length	622	679	703
Std. Error	6.2	2.9	8.7
Sample Size	25	145	22

Female

Ave. Length	626	657	706
Std. Error	7.7	2.4	6.3
Sample Size	18	136	27

-Continued-

Appendix Table 34. Length (mm) of District 115 commercial gill net catch of chum salmon in 1984 by age and sex (continued).

	Age Group			
	02	03	04	05

Stat. Week 37 (09/09/84 to 09/15/84)

Male

Ave. Length	633	674	707	
Std. Error	6.1	2.2	5.2	
Sample Size	39	237	35	

Female

Ave. Length	623	664	685	
Std. Error	5.4	2.0	6.7	
Sample Size	20	232	34	

Stat. Week 38 (09/16/84 to 09/22/84)

Male

Ave. Length	626	672	706	680
Std. Error	3.3	1.6	6.2	---
Sample Size	80	405	33	1

Female

Ave. Length	627	658	699	
Std. Error	4.3	1.4	6.3	
Sample Size	38	395	26	

Stat. Week 39 (09/23/84 to 09/29/84)

Male

Ave. Length	632	667	687	695
Std. Error	5.6	3.1	16.0	---
Sample Size	43	145	10	1

Female

Ave. Length	645	653	681	
Std. Error	5.9	1.9	9.1	
Sample Size	33	216	11	

-Continued-

Appendix Table 34. Length (mm) of District 115 commercial gill net catch of chum salmon in 1984 by age and sex (continued).

	Age Group			
	02	03	04	05
Stat. Week 40 - 42 (09/30/84 to 10/20/84)				
Male				
Ave. Length	628	675	712	
Std. Error	6.5	3.6	11.6	
Sample Size	26	85	5	
Female				
Ave. Length	619	658	713	655
Std. Error	6.5	2.4	14.2	---
Sample Size	18	134	3	1
Combined Weeks (06/17/84 to 10/20/84)				
Male				
Ave. Length	620	656	698	716
Std. Error	1.9	0.7	2.3	10.3
Sample Size	359	3131	402	9
Female				
Ave. Length	609	638	675	659
Std. Error	2.0	0.6	1.9	26.9
Sample Size	317	3673	437	3

Appendix Table 35. District 106 gill net test fishery catch of chum salmon;
age and sex composition by sampling period, 1984.

	Age Group				Total	
	02	03	04	05		
Combined Periods (06/03/84 to 07/28/84)						
Male						
Sample Number	29	291	30		350	
Percent	4.1	41.0	4.2		49.3	
Std. Error	0.7	1.8	0.8		1.9	
Female						
Sample Number	35	296	28		359	
Percent	4.9	41.7	3.9		50.5	
Std. Error	0.8	1.9	0.7		1.9	
Sexes Combined						
Sample Number	64	587	58		709	
Percent	9.0	82.7	8.1		100.0	
Std. Error	1.1	1.4	1.0		----	

Appendix Table 36. District 106 gill net test fishery catch of chum salmon;
length (mm) by sex, age, and sampling period, 1984.

	Age Group			
	02	03	04	05
Stat. Week 23 - 30 (06/03/84 to 07/28/84)				
Males				
Ave. Length	598	634	656	
Std. Error	8.9	2.6	8.7	
Sample Size	29	291	30	
Females				
Ave. Length	596	626	653	
Std. Error	4.9	2.5	7.0	
Sample Size	35	296	28	

Appendix Table 37. District 108 gill net test fishery catch of chum salmon;
age and sex composition by sampling period, 1984.

	Age Group				Total	
	02	03	04	05		
<hr/>						
Combined Periods (06/10/84 to 09/08/84)						
Male						
Sample Number	25	401	46		472	
Percent	3.4	54.0	6.2		63.6	
Std. Error	0.7	1.8	0.9		1.8	
Female						
Sample Number	4	236	30		270	
Percent	0.5	31.8	4.0		36.3	
Std. Error	0.3	1.7	0.7		1.8	
Sexes Combined						
Sample Number	29	637	76		742	
Percent	3.9	85.8	10.2		100.0	
Std. Error	0.7	1.3	1.1		-----	
<hr/>						

Appendix Table 38. District 108 gill net test fishery catch of chum salmon;
length (mm) by sex, age, and sampling period, 1984.

	Age Group			
	02	03	04	05
Stat. Week 24 - 36 (06/10/84 to 09/08/84)				
Males				
Ave. Length	602	635	670	
Std. Error	9.3	2.3	7.0	
Sample Size	25	400	46	
Females				
Ave. Length	572	617	663	
Std. Error	16.8	2.3	8.4	
Sample Size	4	236	30	

Appendix Table 39. District 109 purse seine test fishery catch of chum salmon;
age and sex composition by sampling period, 1984.

	Age Group				Total	
	02	03	04	05		
Combined Periods (07/22/84 to 07/28/84)						
Male						
Sample Number	2	31	4		37	
Percent	2.8	43.1	5.6		51.5	
Std. Error	2.0	5.9	2.7		5.9	
Female						
Sample Number	5	28	2		35	
Percent	6.9	38.9	2.8		48.6	
Std. Error	3.0	5.8	2.0		5.9	
Sexes Combined						
Sample Number	7	59	6		72	
Percent	9.7	82.0	8.4		100.0	
Std. Error	3.5	4.6	3.3		----	

Appendix Table 40. District 109 purse seine test fishery catch of chum salmon; length (mm) by sex, age, and sampling period, 1984.

	Age Group			
	02	03	04	05
Stat. Week 30 (07/22/84 to 07/28/84)				
Males				
Ave. Length	560	614	697	
Std. Error	10.0	5.4	30.8	
Sample Size	2	31	4	
Females				
Ave. Length	592	610	615	
Std. Error	11.0	6.1	15.0	
Sample Size	5	28	2	

Appendix Table 41. District 110 purse seine test fishery catch of chum salmon; age and sex composition by sampling period, 1984.

	Age Group				Total
	02	03	04	05	
Combined Periods (07/01/84 to 07/30/84)					
Male					
Sample Number	14	335	22		371
Percent	2.0	48.8	3.2		54.0
Std. Error	0.5	1.9	0.7		1.9
Female					
Sample Number	3	285	27		315
Percent	0.4	41.5	3.9		45.8
Std. Error	0.2	1.9	0.7		1.9
Sexes Combined					
Sample Number	17	620	49		686
Percent	2.4	90.3	7.1		100.0
Std. Error	0.6	1.1	1.0		----

Appendix Table 42. District 110 purse seine test fishery catch of chum salmon; length (mm) by sex, age, and sampling period, 1984.

	Age Group			
	02	03	04	05
Stat. Week 27 - 30 (07/01/84 to 07/28/84)				
Males				
Ave. Length	606	640	680	
Std. Error	9.9	2.6	10.6	
Sample Size	14	335	22	
Females				
Ave. Length	585	621	661	
Std. Error	14.2	2.1	7.6	
Sample Size	3	285	27	

Appendix Table 43. Age and sex composition of Beaver Falls Hatchery chum salmon escapement in 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number	109	129	4		242
Percent	22.4	26.5	0.8		49.7
Std. Error	1.9	2.0	0.4		2.3
Female					
Sample Number	76	163	5		244
Percent	15.6	33.5	1.0		50.1
Std. Error	1.6	2.1	0.5		2.3
Sexes Combined					
Sample Number	185	292	9		486
Percent	38.0	60.0	1.8		100.0
Std. Error	2.2	2.2	0.6		---

Appendix Table 44. Length (mm) of chum salmon sampled at Beaver Falls Hatchery in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length	605	643	695	
Std. Error	2.8	3.0	16.7	
Sample Size	109	129	4	
Female				
Ave. Length	611	645	675	
Std. Error	3.1	2.6	13.4	
Sample Size	76	163	5	

Appendix Table 45. Age and sex composition of Disappearance Creek chum salmon escapement in 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number	51	294	22		367
Percent	9.4	54.4	4.1		67.9
Std. Error	1.3	2.1	0.9		2.0
Female					
Sample Number	13	152	8		173
Percent	2.4	28.1	1.5		32.0
Std. Error	0.7	1.9	0.5		2.0
Sexes Combined					
Sample Number	64	446	30		540
Percent	11.8	82.5	5.6		100.0
Std. Error	1.4	1.6	1.0		----

Appendix Table 46. Length (mm) of chum salmon sampled at Disappearance Creek in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length	585	633	670	
Std. Error	4.8	2.0	6.2	
Sample Size	51	294	22	
Female				
Ave. Length	590	636	628	
Std. Error	6.2	2.4	23.5	
Sample Size	13	152	8	

Appendix Table 47. Age and sex composition of Klawock Hatchery chum salmon escapement in 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number	35	110	1		146
Percent	11.0	34.7	0.3		46.0
Std. Error	1.8	2.7	0.3		2.8
Female					
Sample Number	21	147	3		171
Percent	6.6	46.4	0.9		53.9
Std. Error	1.4	2.8	0.5		2.8
Sexes Combined					
Sample Number	56	257	4		317
Percent	17.6	81.1	1.2		100.0
Std. Error	2.1	2.2	0.6		----

Appendix Table 48. Length (mm) of chum salmon sampled at Klawock Hatchery in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length	644	662	810	
Std. Error	12.8	4.4	---	
Sample Size	32	102	1	
Female				
Ave. Length	662	684	678	
Std. Error	11.7	3.2	7.5	
Sample Size	18	135	2	

Appendix Table 49. Age and sex composition of Stikine River chum salmon escapement in 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number	19	169	21		209
Percent	6.4	56.5	7.0		69.9
Std. Error	1.4	2.9	1.5		2.7
Female					
Sample Number	16	68	6		90
Percent	5.4	22.7	2.0		30.1
Std. Error	1.3	2.4	0.8		2.7
Sexes Combined					
Sample Number	35	237	27		299
Percent	11.8	79.2	9.0		100.0
Std. Error	1.9	2.3	1.7		-----

Appendix Table 50. Length (mm) of chum salmon sampled at Stikine River in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length	656	683	698	
Std. Error	13.4	4.0	12.9	
Sample Size	19	169	21	
Female				
Ave. Length	614	633	672	
Std. Error	10.3	4.0	17.5	
Sample Size	16	68	6	

Appendix Table 51. Age and sex composition of Security Bay chum salmon escapement in 1984.

	Age Group				Total
	02	03	04	05	
Male					
Sample Number	5	26			31
Percent	5.8	30.2			36.0
Std. Error	2.5	5.0			5.2
Female					
Sample Number	5	49	1		55
Percent	5.8	57.0	1.2		64.0
Std. Error	2.5	5.4	1.2		5.2
Sexes Combined					
Sample Number	10	75	1		86
Percent	11.6	87.2	1.2		100.0
Std. Error	3.5	3.6	1.2		----

Appendix Table 52. Length (mm) of chum salmon sampled at Security Bay in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length	667	653		
Std. Error	9.2	6.7		
Sample Size	5	26		
Female				
Ave. Length	634	638	711	
Std. Error	17.2	4.3	---	
Sample Size	5	49	1	

Appendix Table 53. Age and sex composition of Port Camden chum salmon escapement in 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number	2	10			12
Percent	5.6	27.8			33.4
Std. Error	3.9	7.6			8.0
Female					
Sample Number	6	18			24
Percent	16.7	50.0			66.7
Std. Error	6.3	8.5			8.0
Sexes Combined					
Sample Number	8	28			36
Percent	22.3	77.8			100.0
Std. Error	7.0	7.0			----

Appendix Table 54. Length (mm) of chum salmon sampled at Port Camden in 1984 by age and sex.

	Age Group			
	02	03	04	05
<hr/>				
Male				
Ave. Length	615	626		
Std. Error	10.0	12.3		
Sample Size	2	10		
<hr/>				
Female				
Ave. Length	589	629		
Std. Error	11.5	5.3		
Sample Size	6	18		
<hr/>				

Appendix Table 55. Age and sex composition of Farragut River chum salmon escapement in 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number	1	9	4		14
Percent	7.1	64.3	28.6		100.0
Std. Error	7.1	13.3	12.5		----
Female					
Sample Number					
Percent					
Std. Error					
Sexes Combined					
Sample Number	1	9	4		14
Std. Error	7.1	64.3	28.6		----
Percent	7.1	13.3	12.5		100.0

Appendix Table 56. Length (mm) of chum salmon sampled at Farragut River
in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length	640	643	695	
Std. Error	---	17.0	19.4	
Sample Size	1	9	4	
Female				
Ave. Length				
Std. Error				
Sample Size				

Appendix Table 57. Age and sex composition of Admiralty Creek chum salmon escapement in 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number	3	87	5		95
Percent	1.0	30.2	1.7		32.9
Std. Error	0.6	2.7	0.8		2.8
Female					
Sample Number	5	158	8		171
Percent	1.7	54.9	2.8		59.4
Std. Error	0.8	2.9	1.0		2.9
Sexes Combined					
Sample Number	8	264	16		288
Percent	2.7	85.1	4.5		100.0
Std. Error	1.0	1.6	1.4		----

Appendix Table 58. Length (mm) of chum salmon sampled at Admiralty Creek in 1984 by age and sex.

	Age Group			
	02	03	04	05
<hr/>				
Male				
Ave. Length	538	606	642	
Std. Error	10.9	3.7	10.5	
Sample Size	3	72	4	
<hr/>				
Female				
Ave. Length	567	588	589	
Std. Error	13.0	2.3	13.5	
Sample Size	5	149	7	
<hr/>				

Appendix Table 59. Age and sex composition of Limestone Creek chum salmon escapement in 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number	1	89	9		99
Percent	0.4	39.2	4.0		43.6
Std. Error	0.4	3.2	1.3		3.3
Female					
Sample Number	2	118	6		126
Percent	0.9	52.0	2.6		55.5
Std. Error	0.6	3.3	1.1		3.3
Sexes Combined					
Sample Number	3	209	15		227
Percent	1.3	91.2	6.6		100.0
Std. Error	0.8	1.8	1.7		---

Appendix Table 60. Length (mm) of chum salmon sampled at Limestone Creek in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length	630	660	705	
Std. Error	---	3.8	9.5	
Sample Size	1	89	8	
Female				
Ave. Length	610	625	667	
Std. Error	10.0	2.8	13.7	
Sample Size	2	117	6	

Appendix Table 61. Age and sex composition of Taku River chum salmon escapement in 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number	5	113	25		143
Percent	1.8	40.4	8.9		51.1
Std. Error	0.8	2.9	1.7		3.0
Female					
Sample Number	1	123	12		136
Percent	0.4	43.9	4.3		48.6
Std. Error	0.4	3.0	1.2		3.0
Sexes Combined					
Sample Number	6	237	37		280
Percent	2.2	84.3	13.2		100.0
Std. Error	0.9	2.2	2.0		-----

Appendix Table 62. Length (mm) of chum salmon sampled at Taku River in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length	625	644	698	
Std. Error	22.1	3.9	8.2	
Sample Size	5	113	25	
Female				
Ave. Length	570	618	653	
Std. Error	---	3.4	7.3	
Sample Size	1	123	12	

Appendix Table 63. Age and sex composition of Middle Point Creek chum salmon escapement in 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number	2	171	3		176
Percent	0.5	41.5	0.7		42.7
Std. Error	0.3	2.4	0.4		2.4
Female					
Sample Number	3	190	3		196
Percent	0.7	46.1	0.7		47.5
Std. Error	0.4	2.5	0.4		2.5
Sexes Combined					
Sample Number	5	400	7		412
Percent	1.2	87.6	1.4		100.0
Std. Error	0.5	0.8	0.6		----

Appendix Table 64. Length (mm) of chum salmon sampled at Middle Point Creek in 1984 by age and sex.

Age Group				
	02	03	04	05
Male				
Ave. Length	592	607	670	
Std. Error	17.5	3.5	---	
Sample Size	2	156	1	
Female				
Ave. Length	577	578	597	
Std. Error	12.0	2.0	1.7	
Sample Size	3	181	3	

Appendix Table 65. Age and sex composition of Salmon Creek chum salmon escapement in 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number	1	261	13	1	276
Percent	0.2	49.2	2.5	0.2	52.1
Std. Error	0.2	2.2	0.7	0.2	2.2
Female					
Sample Number	6	235	6		247
Percent	1.1	44.3	1.1		46.5
Std. Error	0.5	2.2	0.5		2.2
Sexes Combined					
Sample Number	8	502	19	1	530
Percent	1.3	93.5	3.6	0.2	100.0
Std. Error	0.5	1.1	0.8	0.2	----

Appendix Table 66. Length (mm) of chum salmon sampled at Salmon Creek in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length	620	640	707	680
Std. Error	---	2.3	9.0	---
Sample Size	1	237	13	1
Female				
Ave. Length	598	604	642	
Std. Error	18.5	1.8	12.9	
Sample Size	4	215	6	

Appendix Table 67. Age and sex composition of Fish Creek chum salmon escapement in 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number		243	11	1	255
Percent		44.2	2.0	0.2	46.4
Std. Error		2.1	0.6	0.2	2.1
Female					
Sample Number	1	281	13		295
Percent	0.2	51.1	2.4		53.7
Std. Error	0.2	2.1	0.6		2.1
Sexes Combined					
Sample Number	1	524	24	1	550
Percent	0.2	95.3	4.4	0.2	100.0
Std. Error	0.2	0.9	0.9	0.2	---

Appendix Table 68. Length (mm) of chum salmon sampled at Fish Creek in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length		628	690	720
Std. Error		2.6	9.7	---
Sample Size		241	11	1
Female				
Ave. Length	550	601	640	
Std. Error	---	2.6	9.6	
Sample Size	1	281	13	

Appendix Table 69. Age and sex composition in the Snettisham area (several creeks) chum salmon escapement in 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number	7	53			60
Percent	2.5	19.0			53.6
Std. Error	0.9	2.4			2.5
Female					
Sample Number	5	46	1		52
Percent	1.8	16.5	0.4		46.4
Std. Error	0.8	2.2	0.4		2.3
Sexes Combined					
Sample Number	21	249	9		279
Percent	7.5	89.2	3.2		100.0
Std. Error	1.6	1.9	1.1		-----

Appendix Table 70. Age and sex composition of Snettisham Hatchery chum salmon escapement in 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number	9	1			10
Percent	39.1	4.3			43.4
Std. Error	10.4	4.3			10.6
Female					
Sample Number	11	2			13
Percent	47.8	8.7			56.5
Std. Error	10.6	6.0			10.6
Sexes Combined					
Sample Number	20	3			23
Percent	86.9	13.0			100.0
Std. Error	7.2	7.2			-----

Appendix Table 71. Length (mm) of chum salmon sampled at Snettisham Hatchery in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length				
Ave. Length	604	634	697	
Std. Error	3.9	2.1	12.3	
Sample Size	95	341	9	
Female				
Ave. Length				
Ave. Length	610	616	662	634
Std. Error	4.3	1.9	20.4	--
Sample Size	44	293	3	1

Appendix Table 72. Age and sex composition of Gravel Creek chum salmon escapement in 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number	6	32			38
Percent	4.4	23.4			52.1
Std. Error	1.8	3.6			3.8
Female					
Sample Number	4	30	1		35
Percent	2.9	21.9	0.7		47.9
Std. Error	1.4	3.5	0.7		3.7
Sexes Combined					
Sample Number	15	118	4		137
Percent	10.9	86.1	2.9		100.0
Std. Error	2.2	4.3	0.7		----

Appendix Table 73. Age and sex composition of Crater Creek chum salmon escapement in 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number	1	21			22
Percent	1.4	28.8			56.4
Std. Error	1.4	5.3			5.4
Female					
Sample Number	1	16			17
Percent	1.4	21.9			43.6
Std. Error	1.4	4.9			5.0
Sexes Combined					
Sample Number	4	69			73
Percent	5.5	94.5			100.0
Std. Error	1.9	5.9			----

Appendix Table 74. Age and sex composition of Montana Creek chum salmon escapement in 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number	1	116	150	5	272
Percent	0.2	21.6	27.9	0.9	50.9
Std. Error	0.2	1.8	1.9	0.4	2.2
Female					
Sample Number		93	165	5	263
Percent		17.3	30.7	0.9	49.1
Std. Error		1.6	2.0	0.4	2.2
Sexes Combined					
Sample Number	1	210	316	10	537
Percent	0.2	39.1	58.9	1.8	100.0
Std. Error	0.2	2.1	2.1	0.6	----

Appendix Table 75. Length (mm) of chum salmon sampled at Montana Creek in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length	620	633	703	726
Std. Error	---	4.0	3.2	18.1
Sample Size	1	115	148	5
Female				
Ave. Length		626	656	647
Std. Error		3.8	2.5	10.1
Sample Size		93	165	5

Appendix Table 76. Age and sex composition of Hidden Falls Hatchery chum salmon escapement in 1984.

	Age Group				
	02	03	04	05	Total
Sampling Period 1 (07/29/84- 08/04/84)					
Male					
Sample Number	9	202	1		212
Percent	1.9	41.7	0.2		43.8
Std. Error	0.6	2.2	0.2		2.3
Female					
Sample Number	1	263	8		272
Percent	0.2	54.3	1.7		56.2
Std. Error	0.2	2.3	0.6		2.3
Sexes Combined					
Sample Number	10	465	9		484
Percent	2.1	96.0	1.9		100.0
Std. Error	0.7	0.9	0.6		----
Sampling Period 2 (08/05/84- 08/11/84)					
Male					
Sample Number	33	249	10		292
Percent	4.9	36.9	1.5		43.3
Std. Error	0.8	1.9	0.5		1.9
Female					
Sample Number	11	356	16		383
Percent	1.6	52.7	2.4		56.7
Std. Error	0.5	1.9	0.6		1.9
Sexes Combined					
Sample Number	44	605	26		675
Percent	6.5	89.6	3.9		100.0
Std. Error	0.9	1.2	0.7		----

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Appendix Table 76. Age and sex composition of Hidden Falls Hatchery chum salmon escapement in 1984 (continued).

	Age Group				
	02	03	04	05	Total
Sampling Period 3 (08/12/84- 08/18/84)					
Male					
Sample Number	30	195	6		231
Percent	5.2	33.9	1.0		40.1
Std. Error	0.9	2.0	0.4		2.0
Female					
Sample Number	18	321	5		344
Percent	3.1	55.8	0.9		59.8
Std. Error	0.7	2.1	0.4		2.0
Sexes Combined					
Sample Number	48	516	11		575
Percent	8.3	89.7	1.9		100.0
Std. Error	1.2	1.3	0.6		----
Sampling Period 4 (08/19/84- 08/25/84)					
Male					
Sample Number	15	74	3		92
Percent	7.7	37.8	1.5		47.0
Std. Error	1.9	3.5	0.9		3.6
Female					
Sample Number	8	93	3		104
Percent	4.1	47.4	1.5		53.0
Std. Error	1.4	3.6	0.9		3.6
Sexes Combined					
Sample Number	23	167	6		196
Percent	11.8	85.2	3.0		100.0
Std. Error	2.3	2.5	1.2		----

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Appendix Table 76. Age and sex composition of Hidden Falls Hatchery chum salmon escapement in 1984 (continued).

	Age Group				Total	
	02	03	04	05		
Combined Periods (07/29/84- 08/25/84)						
(Percentages are weighted by period catches)						
Male						
Sample Number	87	720	20		827	
Percent	4.9	37.6	1.1		43.6	
Std. Error	0.6	1.2	0.3		1.3	
Female						
Sample Number	38	1033	32		1103	
Percent	2.3	52.6	1.6		56.5	
Std. Error	0.4	1.3	0.3		1.3	
Sexes Combined						
Sample Number	125	1753	52		1930	
Percent	7.2	90.2	2.7		100.0	
Std. Error	0.7	0.8	0.4		----	

Appendix Table 77. Hidden Falls Hatchery chum salmon escapement; length (mm) by sex, age, and sampling period, 1984.

	Age Group			
	02	03	04	05

Stat. Week 31 (07/29/84 to 08/04/84)

Males

Ave. Length	629
Std. Error	9.1
Samp. Size	15

Females

Ave. Length	623	667
Std. Error	5.2	23.5
Samp. Size	42	2

Stat. Week 32 (08/05/84 to 08/11/84)

Males

Ave. Length	583	622	632
Std. Error	8.0	3.3	6.0
Samp. Size	16	86	3

Females

Ave. Length	585	617	641
Std. Error	11.6	2.4	11
Samp. Size	5	135	5

Stat. Week 33 (08/12/84 to 08/18/84)

Males

Ave. Length	580	611	677
Std. Error	9.6	3.5	11.1
Samp. Size	12	94	5

Females

Ave. Length	576	610	638
Std. Error	10.0	2.6	11.7
Samp. Size	6	107	3

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Appendix Table 77. Hidden Falls Hatchery chum salmon escapement, length (mm) by sex, age, and sampling period, 1984 (continued).

	Age Group			
	02	03	04	05

Stat. Week 34 (08/19/84 to 08/25/84)

Males

Ave. Length	572	604	660
Std. Error	8.7	3.9	13.2
Samp. Size	15	74	3

Females

Ave. Length	586	603	640
Std. Error	7.5	3.0	28.4
Samp. Size	8	93	3

Seasonal Average Length Combined Periods (07/29/84 to 08/25/84)

Males

Ave. Length	578	614	660
Std. Error	5.0	2.0	8.3
Samp. Size	43	269	11

Females

Ave. Length	582	612	644
Std. Error	5.2	1.5	8.2
Samp. Size	19	377	13.0

Appendix Table 78. Age and sex composition of Kadashan River chum salmon escapement in 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number	3	208	44		255
Percent	0.6	43.5	9.2		53.3
Std. Error	0.4	2.3	1.3		2.3
Female					
Sample Number	1	179	42	1	223
Percent	0.2	37.4	8.8	0.2	46.6
Std. Error	0.2	2.2	1.3	0.2	2.3
Sexes Combined					
Sample Number	4	387	86	1	478
Percent	0.8	80.9	18.0	0.2	100.0
Std. Error	0.4	1.8	1.8	0.2	-----

Appendix Table 79. Length (mm) of chum salmon sampled at Kadashan River in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length	586	629	684	
Std. Error	21.9	3.0	6.5	
Sample Size	3	208	44	
Female				
Ave. Length	606	612	652	730
Std. Error	---	2.3	5.0	---
Sample Size	1	179	42	1

Appendix Table 80. Age and sex composition of West Bay Head Creek chum salmon escapement in 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number	1	184	23		208
Percent	0.2	37.8	4.7		43.5
Std. Error	0.2	2.2	1.0		2.2
Female					
Sample Number		234	37		271
Percent		48.0	7.6		56.5
Std. Error		2.3	1.2		2.3
Sexes Combined					
Sample Number	1	424	61	1	487
Percent	0.2	87.3	12.5	0.0	100.0
Std. Error	0.2	1.5	1.5	0.2	---

Appendix Table 81. Length (mm) of chum salmon sampled at West Bay Head Creek in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length	670	678	725	
Std. Error	---	2.7	7.7	
Sample Size	1	165	23	
Female				
Ave. Length		623	651	
Std. Error		2.2	5.8	
Sample Size		220	36	

Appendix Table 82. Age and sex composition of Clear River chum salmon escapement in 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number	8	169	63		240
Percent	1.7	35.8	13.3		50.8
Std. Error	0.6	2.2	1.6		2.3
Female					
Sample Number	4	168	60		232
Percent	0.8	35.6	12.7		49.1
Std. Error	0.4	2.2	1.5		2.3
Sexes Combined					
Sample Number	12	337	123		472
Percent	2.5	71.4	26.0		100.0
Std. Error	0.7	2.1	2.0		----

Appendix Table 83. Length (mm) of chum salmon sampled at Clear River in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length	623	657	693	
Std. Error	17.0	3.2	6.3	
Sample Size	6	153	58	
Female				
Ave. Length	625	620	653	
Std. Error	23.6	3.1	4.4	
Sample Size	3	153	50	

Appendix Table 84. Age and sex composition of early run Chaik River chum salmon escapement in 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number	2	190	3		195
Percent	0.6	56.5	0.9		58.0
Std. Error	0.4	2.7	0.5		2.7
Female					
Sample Number	4	133	4		141
Percent	1.2	39.6	1.2		42.0
Std. Error	0.6	2.7	0.6		2.7
Sexes Combined					
Sample Number	6	323	7		336
Percent	1.8	96.1	2.1		100.0
Std. Error	0.7	1.1	0.8		----

Appendix Table 85. Length (mm) of early run chum salmon sampled at Chaik River in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length	600	639	662	
Std. Error	50.0	3.0	27.7	
Sample Size	2	172	3	
Female				
Ave. Length	592	600	665	
Std. Error	16.9	2.6	20.0	
Sample Size	3	125	2	

Appendix Table 86. Age and sex composition of late run Chaik River chum salmon escapement, 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number	11	202	2		215
Percent	2.4	44.1	0.4		46.9
Std. Error	0.7	2.3	0.3		2.3
Female					
Sample Number	7	232	4		243
Percent	1.5	50.7	0.9		53.1
Std. Error	0.6	2.3	0.4		2.3
Sexes Combined					
Sample Number	18	434	6		458
Percent	3.9	94.8	1.3		100.0
Std. Error	0.9	1.0	0.5		----

Appendix Table 87. Length (mm) of late run chum salmon sampled at Chaik River in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length	625	628	675	
Std. Error	10.9	2.4	25.0	
Sample Size	11	201	2	
Female				
Ave. Length	611	606	659	
Std. Error	10.9	3.2	9.4	
Sample Size	7	232	4	

Appendix Table 88. Age and sex composition of Black Bay chum salmon escape-
ment in 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number	7	63	9		79
Percent	4.9	43.8	6.3		55.0
Std. Error	1.8	4.1	2.0		4.2
Female					
Sample Number	6	44	15		65
Percent	4.2	30.6	10.4		45.2
Std. Error	1.7	3.9	2.6		4.2
Sexes Combined					
Sample Number	13	107	24		144
Percent	9.1	74.4	16.7		100.0
Std. Error	2.4	3.6	3.1		-----

Appendix Table 89. Length (mm) of chum salmon sampled at Black Bay in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length	640	649	663	
Std. Error	17.2	5.9	18.5	
Sample Size	6	52	8	
Female				
Ave. Length	614	614	646	
Std. Error	24.7	4.8	7.8	
Sample Size	6	39	12	

Appendix Table 90. Age and sex composition of Medvejie Creek chum salmon escapement in 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number	40	33	13		86
Percent	22.7	18.8	7.4		48.9
Std. Error	3.2	3.0	2.0		3.8
Female					
Sample Number	30	44	16		90
Percent	17.0	25.0	9.1		51.1
Std. Error	2.8	3.3	2.2		3.8
Sexes Combined					
Sample Number	70	77	29		176
Percent	39.7	43.8	16.5		100.0
Std. Error	3.7	3.8	2.8		-----

Appendix Table 91. Length (mm) of chum salmon sampled at Medvejie weir in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length	598	629	653	
Std. Error	6.2	6.8	15.5	
Sample Size	40	33	13	
Female				
Ave. Length	584	623	656	
Std. Error	4.9	4.9	8.1	
Sample Size	44	44	16	

Appendix Table 92. Age and sex composition of Salmon Lake chum salmon escapement in 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number	11	91	34	2	138
Percent	4.2	35.1	13.1	0.8	54.5
Std. Error	1.3	3.0	2.1	0.5	3.1
Female					
Sample Number	9	72	34		115
Percent	3.5	27.8	13.1		45.5
Std. Error	1.1	2.8	2.1		3.1
Sexes Combined					
Sample Number	20	167	70	2	259
Percent	7.9	64.4	26.8	0.8	100.0
Std. Error	1.7	3.0	2.8	0.5	----

Appendix Table 93. Length (mm) of chum salmon sampled at Salmon Lake in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length	640	654	682	720
Std. Error	20.9	3.8	6.9	---
Sample Size	11	89	33	1
Female				
Ave. Length	587	626	637	
Std. Error	11.9	4.2	6.7	
Sample Size	9	72	34	

Appendix Table 94. Age and sex composition of Sisters Lake chum salmon escapement in 1984.

	Age Group				Total
	02	03	04	05	
Male					
Sample Number	8	163	2		173
Percent	2.1	43.7	0.5		46.6
Std. Error	0.7	2.6	0.4		2.6
Female					
Sample Number	7	190	1		198
Percent	1.9	50.9	0.3		53.4
Std. Error	0.7	2.6	0.3		2.6
Sexes Combined					
Sample Number	15	355	3		373
Percent	4.0	95.2	0.8		100.0
Std. Error	1.0	1.2	0.5		---

Appendix Table 95. Length (mm) of chum salmon sampled at Sisters Lake in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length	619	636	678	
Std. Error	10.1	2.8	27.5	
Sample Size	8	161	2	
Female				
Ave. Length	596	614	575	
Std. Error	7.2	2.1	---	
Sample Size	7	190	1	

Appendix Table 96. Age and sex composition of Nakwasina River chum salmon escapement in 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number	4	268	33		305
Percent	0.8	50.3	6.2		57.3
Std. Error	0.4	2.2	1.0		2.1
Female					
Sample Number	4	192	30	2	228
Percent	0.8	36.0	5.6	0.4	42.8
Std. Error	0.4	2.1	1.0	0.3	2.1
Sexes Combined					
Sample Number	8	460	63	2	533
Percent	1.6	86.3	11.8	0.4	100.0
Std. Error	0.5	1.5	1.4	0.3	----

Appendix Table 97. Length (mm) of chum salmon sampled at Nakwasina River
in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length	620	665	700	
Std. Error	19.0	2.2	6.6	
Sample Size	4	267	33	
Female				
Ave. Length	572	622	668	705
Std. Error	5.6	2.0	5.7	30.0
Sample Size	4	192	30	2

Appendix Table 98. Age and sex composition of Katlian River chum salmon escapement in 1984.

Age Group				
	02	03	04	05
	Total			
Male				
Sample Number	1	265	19	285
Percent	0.2	49.7	3.6	53.6
Std. Error	0.2	2.2	0.8	2.2
Female				
Sample Number	5	229	13	247
Percent	0.9	43.0	2.4	46.4
Std. Error	0.4	2.1	0.7	2.2
Sexes Combined				
Sample Number	6	495	32	533
Percent	1.1	92.9	6.0	100.0
Std. Error	0.5	1.1	1.0	----

Appendix Table 99. Length (mm) of chum salmon sampled at Katlian River in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length	640	669	707	
Std. Error	---	2.2	9.4	
Sample Size	1	265	19	
Female				
Ave. Length	605	624	662	
Std. Error	9.5	1.9	7.7	
Sample Size	5	228	13	

Appendix Table 100. Age and sex composition of Spasski Creek chum salmon escapement in 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number	1	207	20		228
Percent	0.3	53.4	5.2		58.9
Std. Error	0.3	2.5	1.1		2.5
Female					
Sample Number	1	141	18		160
Percent	0.3	36.3	4.6		41.2
Std. Error	0.3	2.4	1.1		2.5
Sexes Combined					
Sample Number	2	348	38		388
Percent	0.6	89.7	9.8		100.0
Std. Error	0.4	1.5	1.5		----

Appendix Table 101. Length (mm) of chum salmon sampled at Spasski Creek in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length	630	625	690	
Std. Error	---	2.8	11.9	
Sample Size	1	205	20	
Female				
Ave. Length	630	590	624	
Std. Error	---	2.5	6.9	
Sample Size	1	141	18	

Appendix Table 102. Age and sex composition of Gartina Creek chum salmon escapement in 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number	5	250	39		294
Percent	1.0	48.2	7.5		56.7
Std. Error	0.4	2.2	1.2		2.2
Female					
Sample Number	2	199	24		225
Percent	0.4	38.3	4.6		43.3
Std. Error	0.3	2.1	0.9		2.2
Sexes Combined					
Sample Number	7	449	63		519
Percent	1.4	86.5	12.1		100.0
Std. Error	0.5	1.5	1.4		----

Appendix Table 103. Length (mm) of chum salmon sampled at Gartina Creek in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length	587	601	644	
Std. Error	17.8	2.5	6.8	
Sample Size	5	250	39	
Female				
Ave. Length	612	588	611	
Std. Error	27.5	2.4	5.8	
Sample Size	2	199	24	

Appendix Table 104. Age and sex composition of Game Creek chum salmon escapement in 1984.

	Age Group				Total
	02	03	04	05	
Male					
Sample Number		106	46		152
Percent		37.6	16.3		54.3
Std. Error		2.9	2.2		3.0
Female					
Sample Number	1	79	48		128
Percent	0.4	28.0	17.0		45.7
Std. Error	0.4	2.7	2.2		3.0
Sexes Combined					
Sample Number	1	187	94		282
Percent	0.4	66.3	33.3		100.0
Std. Error	0.4	2.8	2.8		----

Appendix Table 105. Length (mm) of chum salmon sampled at Game Creek in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length		625	673	
Std. Error		3.8	5.9	
Sample Size		101	44	
Female				
Ave. Length	560	586	622	
Std. Error	---	3.7	4.1	
Sample Size	1	77	47	

Appendix Table 106. Age and sex composition of Humpback River chum salmon escapement in 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number	1	165	29		195
Percent	0.2	34.9	6.1		41.3
Std. Error	0.2	2.2	1.1		2.3
Female					
Sample Number	3	241	31	2	277
Percent	0.6	51.0	6.6	0.4	58.7
Std. Error	0.4	2.3	1.1	0.3	2.3
Sexes Combined					
Sample Number	4	407	60	2	473
Percent	0.8	86.1	12.7	0.4	100.0
Std. Error	0.4	1.6	1.5	0.3	----

Appendix Table 107. Length (mm) of chum salmon sampled at Humpback River in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length	655	638	679	
Std. Error	---	2.9	5.9	
Sample Size	1	164	28	
Female				
Ave. Length	612	593	635	638
Std. Error	18.8	1.9	4.9	47.5
Sample Size	3	238	31	2

Appendix Table 108. Age and sex composition of chum salmon from the Neka River escapement survey in 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number	2	124	37	2	165
Percent	0.6	34.6	10.3	0.6	59.7
Std. Error	0.4	2.5	1.6	0.4	2.6
Female					
Sample Number	0	135	32	0	167
Percent	0.0	37.7	8.9	0.0	50.3
Std. Error	0.0	2.6	1.5	0.0	2.6
Sexes Combined					
Sample Number	2	279	75	2	358
Percent	0.6	77.9	20.9	0.6	100.0
Std. Error	0.4	2.4	2.1	0.4	---

Appendix Table 109. Length (mm) of chum salmon sampled at Neka River during the 1984 escapement survey, by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length	578	616	649	683
Std. Error	2.5	3.8	8.7	32.5
Sample Size	2	114	30	2
Female				
Ave. Length		593	630	
Std. Error		2.8	4.8	
Sample Size		123	29	

Appendix Table 110. Age and sex composition of chum salmon from the Neka River egg take in 1984.

	Age Group				Total
	02	03	04	05	
Male					
Sample Number		21	5		26
Percent		4.1	1.0		5.1
Std. Error		0.9	0.4		1.0
Female					
Sample Number	12	407	66		485
Percent	2.3	79.6	12.9		94.8
Std. Error	0.7	1.8	1.5		1.0
Sexes Combined					
Sample Number	12	428	71		511
Percent	2.3	83.7	13.9		100.0
Std. Error	0.7	1.6	1.5		----

Appendix Table 111. Length (mm) of chum salmon sampled at Neka River during the 1984 egg take by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length		644	632	
Std. Error		8.7	17.0	
Sample Size		21	5	
Female				
Ave. Length	592	608	645	
Std. Error	4.8	1.5	4.2	
Sample Size	12	400	64	

Appendix Table 112. Age and sex composition of Excursion River chum salmon escapement in 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number	9	255	28	1	293
Percent	1.7	49.1	5.4	0.2	56.4
Std. Error	0.6	2.2	1.0	0.2	2.2
Female					
Sample Number	6	189	30	1	226
Percent	1.2	36.4	5.8	0.2	43.6
Std. Error	0.5	2.1	1.0	0.2	2.2
Sexes Combined					
Sample Number	15	444	58	2	519
Percent	2.9	85.5	11.2	0.4	100.0
Std. Error	0.7	1.5	1.4	0.3	----

Appendix Table 113. Length (mm) of chum salmon sampled at Excursion River in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length	622	645	683	650
Std. Error	4.5	2.1	6.4	---
Sample Size	8	243	26	1
Female				
Ave. Length	584	616	646	
Std. Error	10.6	2.2	6.8	
Sample Size	6	179	28	

Appendix Table 114. Age and sex composition of Sawmill Creek chum salmon escapement in 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number	2	119	17	3	141
Percent	1.0	60.7	8.7	1.5	71.9
Std. Error	0.7	3.5	2.0	0.9	3.2
Female					
Sample Number	1	42	11	1	55
Percent	0.5	21.4	5.6	0.5	28.0
Std. Error	0.5	2.9	1.6	0.5	3.2
Sexes Combined					
Sample Number	3	161	28	4	196
Percent	1.5	82.1	14.3	2.0	100.0
Std. Error	0.9	2.7	2.5	1.0	-----

Appendix Table 115. Length (mm) of chum salmon sampled at Sawmill Creek in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length	627	651	692	688
Std. Error	27.5	3.6	11.8	54.6
Sample Size	2	119	17	3
Female				
Ave. Length	595	618	645	680
Std. Error	---	5.7	11.7	---
Sample Size	1	40	11	1

Appendix Table 116. Age and sex composition of Lace River chum salmon escapement in 1984.

	Age Group				Total
	02	03	04	05	
Male					
Sample Number	3	87	5		95
Percent	1.6	47.5	2.7		51.8
Std. Error	0.9	3.7	1.2		3.7
Female					
Sample Number	1	81	6		88
Percent	0.5	44.3	3.3		48.1
Std. Error	0.5	3.7	1.3		3.7
Sexes Combined					
Sample Number	4	168	11		183
Percent	2.1	91.8	6.0		100.0
Std. Error	1.1	2.0	1.8		----

Appendix Table 117. Length (mm) of chum salmon sampled at Lace River in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length	598	648	712	
Std. Error	7.3	3.7	19.8	
Sample Size	3	87	5	
Female				
Ave. Length	525	615	635	
Std. Error	---	4.4	14.6	
Sample Size	1	81	6	

Appendix Table 118. Age and sex composition of Herman Creek chum salmon escapement in 1984.

	Age Group				Total
	02	03	04	05	
Male					
Sample Number	23	218	23		264
Percent	4.2	39.9	4.2		48.3
Std. Error	0.9	2.1	0.9		2.1
Female					
Sample Number	5	252	25		282
Percent	0.9	46.2	4.6		51.7
Std. Error	0.4	2.1	0.9		2.1
Sexes Combined					
Sample Number	28	470	48		546
Percent	5.1	86.1	8.8		100.0
Std Error	0.9	1.5	1.2		---

Appendix Table 119. Length (mm) of chum salmon sampled at Herman Creek in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length	611	656	693	
Std. Error	9.7	2.3	8.1	
Sample Size	23	218	23	
Female				
Ave. Length	622	632	666	
Std. Error	28.4	2.0	6.9	
Sample Size	5	252	25	

Appendix Table 120. Age and sex composition of Klehini River chum salmon escapement in 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number	35	280	27		342
Percent	6.5	51.8	5.0		63.3
Std. Error	1.1	2.2	0.9		2.1
Female					
Sample Number	8	174	17		199
Percent	1.5	32.2	3.1		36.8
Std. Error	0.5	2.0	0.8		2.1
Sexes Combined					
Sample Number	43	454	44		541
Percent	8.0	84.0	8.1		100.0
Std. Error	1.2	1.6	1.2		----

Appendix Table 121. Length (mm) of chum salmon sampled at Klehini River in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length	612	661	707	
Std. Error	6.2	1.9	5.1	
Sample Size	35	279	27	
Female				
Ave. Length	596	638	686	
Std. Error	11.1	2.2	7.4	
Sample Size	8	174	35	

Appendix Table 122. Age and sex composition of Chilkat spawning channel
(31 mile) chum salmon escapement in 1984.

	Age Group				
	02	03	04	05	Total
Male					
Sample Number	39	235	48	2	324
Percent	7.2	43.4	8.9	0.4	59.9
Std. Error	1.1	2.1	1.2	0.3	2.1
Female					
Sample Number	20	151	47		218
Percent	3.7	27.9	8.7		40.3
Std. Error	0.8	1.9	1.2		2.1
Sexes Combined					
Sample Number	59	386	95	2	542
Percent	10.9	71.3	17.6	0.4	100.0
Std. Error	1.3	1.9	1.6	0.3	---

Appendix Table 123. Length (mm) of chum salmon sampled at the Chilkat spawning channel (31 mile) in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length	601	654	708	745
Std. Error	4.9	2.3	5.7	10.0
Sample Size	39	234	48	2
Female				
Ave. Length	598	629	668	
Std. Error	5.8	2.7	5.3	
Sample Size	20	151	47	

Appendix Table 124. Age and sex composition of Chilkat River (24 mile) chum salmon escapement in 1984.

	Age Group				Total
	02	03	04	05	
Male					
Sample Number	12	51	8		71
Percent	9.4	39.8	6.3		55.5
Std. Error	2.6	4.3	2.2		4.4
Female					
Sample Number	5	44	8		57
Percent	3.9	34.4	6.3		44.6
Std. Error	1.7	4.2	2.2		4.4
Sexes Combined					
Sample Number	17	95	16		128
Percent	13.3	74.2	12.6		100.0
Std. Error	3.0	3.9	2.9		---

Appendix Table 125. Length (mm) of chum salmon sampled at Chilkat River
(24 mile) in 1984 by age and sex.

	Age Group			
	02	03	04	05
Male				
Ave. Length	632	654	694	
Std. Error	10.5	4.5	8.1	
Sample Size	12	51	8	
Female				
Ave. Length	611	639	680	
Std. Error	9.1	4.7	19.0	
Sample Size	5	44	8	

Appendix Table 126. Daily and cumulative chum salmon weir counts from Disappearance Creek weir, 1984.

Date	Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
September 7	1150	1150	0.04	0.04
September 8	13	1163	0.00	0.04
September 9	331	1494	0.01	0.05
September 10	1210	2704	0.04	0.09
September 11	0	2704	0.00	0.09
September 12	0	2704	0.00	0.09
September 13	30	2734	0.00	0.09
September 14	53	2787	0.00	0.09
September 15	2129	4916	0.07	0.17
September 16	736	5652	0.02	0.19
September 17	138	5790	0.00	0.19
September 18	2344	8134	0.08	0.27
September 19	9	8143	0.00	0.27
September 20	112	8255	0.00	0.28
September 21	450	8705	0.02	0.29
September 22	0	8705	0.00	0.29
September 23	39	9095	0.00	0.31
September 24	1256	10251	0.04	0.34
September 25	9	10260	0.00	0.34
September 26	240	10500	0.01	0.35
September 27	179	10679	0.01	0.36
September 28	1621	12300	0.05	0.41
September 29	0	12300	0.00	0.41
September 30	154	12454	0.01	0.42
October 1	4561	17015	0.15	0.57
October 2	0	17015	0.00	0.57
October 3	2	17017	0.00	0.57
October 4	2931	19948	0.10	0.67
October 5	5711	25659	0.19	0.86
October 6	1408	27067	0.05	0.91
October 7	405	27472	0.01	0.92
October 8	15	27487	0.00	0.92
October 9	624	28111	0.02	0.94
October 10	1216	29327	0.04	0.99
October 11	110	29437	0.00	0.99
October 12	316	29753	0.01	1.00

Mean Day of Migragation = September 27 Variance = 88.44 Days squared

Appendix Table 127. Daily and cumulative chum salmon weir counts from Klawock Hatchery weir, 1984.

Date	Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
September 7	13	13	0.00	0.00
September 8	17	30	0.00	0.00
September 9	500	530	0.03	0.03
September 10	430	960	0.02	0.05
September 11	193	1153	0.01	0.06
September 12	361	1514	0.02	0.08
September 13	305	1819	0.02	0.10
September 14	286	2105	0.02	0.11
September 15	996	3101	0.05	0.17
September 16	1040	4141	0.06	0.22
September 17	1435	5576	0.08	0.30
September 18	1271	6847	0.07	0.37
September 19	578	7425	0.03	0.40
September 20	957	8382	0.05	0.45
September 21	85	8467	0.00	0.46
September 22	768	9235	0.04	0.50
September 23	0	9235	0.00	0.50
September 24	729	9964	0.04	0.54
September 25	65	10029	0.00	0.54
September 26	579	10608	0.03	0.57
September 27	593	11201	0.03	0.60
September 28	896	12097	0.05	0.65
September 29	2173	14270	0.12	0.77
September 30	464	14734	0.03	0.80
October 1	854	15588	0.05	0.84
October 2	534	16122	0.03	0.87
October 3	622	16744	0.03	0.90
October 4	354	17098	0.02	0.92
October 5	62	17160	0.00	0.93
October 6	117	17277	0.01	0.93
October 7	73	17350	0.00	0.94
October 8	60	17410	0.00	0.94
October 9	488	17898	0.03	0.97
October 10	535	18433	0.03	1.00
October 11	41	18474	0.00	1.00
October 12	0	18474	0.00	1.00
October 13	40	18514	0.00	1.00
October 14	0	18514	0.00	1.00
October 15	11	18525	0.00	1.00

Mean Day of Migration = September 23 Variance = 66.30 Days squared

Appendix Table 128. Daily and cumulative chum salmon weir counts from Redoubt Lake weir, 1984.

Date	Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
July 12	12	4	0.02	0.02
July 13	0	4	0.00	0.02
July 14	12	16	0.07	0.09
July 15	0	16	0.00	0.09
July 16	0	16	0.00	0.09
July 17	0	16	0.00	0.09
July 18	0	16	0.00	0.09
July 19	2	18	0.01	0.10
July 20	0	18	0.00	0.10
July 21	0	18	0.00	0.10
July 22	1	19	0.01	0.11
July 23	1	20	0.01	0.11
July 24	0	20	0.00	0.11
July 25	0	20	0.00	0.11
July 26	0	20	0.00	0.11
July 27	4	24	0.02	0.13
July 28	4	28	0.02	0.16
July 29	6	34	0.03	0.19
July 30	2	36	0.01	0.20
July 31	8	44	0.04	0.24
August 1	1	45	0.01	0.25
August 2	0	45	0.00	0.25
August 3	0	45	0.00	0.25
August 4	0	45	0.00	0.25
August 5	11	56	0.06	0.31
August 6	0	56	0.00	0.31
August 7	6	62	0.03	0.34
August 8	1	63	0.01	0.35
August 9	9	72	0.05	0.40
August 10	1	73	0.01	0.41
August 11	4	77	0.02	0.43
August 12	3	80	0.02	0.44
August 13	6	86	0.03	0.48
August 14	1	87	0.01	0.48
August 15	2	89	0.01	0.49
August 16	1	90	0.01	0.50
August 17	1	91	0.01	0.51
August 18	9	100	0.05	0.56
August 19	0	100	0.00	0.56
August 20	8	108	0.04	0.60
August 21	10	118	0.06	0.66
August 22	2	120	0.01	0.67

-Continued-

Appendix Table 128. Daily and cumulative chum salmon weir counts from Redoubt Lake weir, 1984 (continued).

Date	Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
August 23	3	123	0.02	0.68
August 24	4	127	0.02	0.71
August 25	3	130	0.02	0.72
August 26	12	142	0.07	0.79
August 27	9	151	0.05	0.84
August 28	5	156	0.03	0.87
August 29	1	157	0.01	0.87
August 30	0	157	0.00	0.87
August 31	0	157	0.00	0.87
September 1	4	161	0.02	0.89
September 2	2	163	0.01	0.91
September 3	2	165	0.01	0.92
September 4	1	166	0.01	0.92
September 5	1	167	0.01	0.93
September 6	0	167	0.00	0.93
September 7	0	167	0.00	0.93
September 8	0	167	0.00	0.93
September 9	0	167	0.00	0.93
September 10	0	167	0.00	0.93
September 11	1	168	0.01	0.93
September 12	1	169	0.01	0.94
September 13	1	170	0.01	0.94
September 14	0	170	0.00	0.94
September 15	0	170	0.00	0.94
September 16	1	171	0.01	0.95
September 17	1	172	0.01	0.96
September 18	3	175	0.02	0.97
September 19	1	176	0.01	0.98
September 20	1	177	0.01	0.98
September 21	0	177	0.00	0.98
September 22	0	177	0.00	0.98
September 23	0	177	0.00	0.98
September 24	0	177	0.00	0.98
September 25	0	177	0.00	0.98
September 26	0	177	0.00	0.98
September 27	0	177	0.00	0.98
September 28	0	177	0.00	0.98
September 29	2	179	0.01	0.99
September 30	0	179	0.00	0.99
October 1	0	179	0.00	0.99
October 2	0	179	0.00	0.99
October 3	0	179	0.00	0.99
October 4	0	179	0.00	0.99
October 5	0	179	0.00	0.99
October 6	1	180	0.01	1.00

Mean Day of Migration = August 14 Variance of Migration = 301.81 Days squared

Appendix Table 129. Daily and cumulative chum salmon counts from Hugh Smith Lake weir, 1984.

Date	Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
August 15	1	1	0.01	0.01
August 29	2	3	0.01	0.02
August 30	1	4	0.01	0.02
August 31	0	4	0.00	0.02
September 1	0	4	0.00	0.02
September 2	0	4	0.00	0.02
September 3	0	4	0.00	0.02
September 4	0	4	0.00	0.02
September 5	0	4	0.00	0.02
September 6	0	4	0.00	0.02
September 7	0	4	0.00	0.02
September 8	0	4	0.00	0.02
September 9	1	5	0.01	0.03
September 10	3	8	0.02	0.04
September 11	0	8	0.00	0.04
September 12	0	8	0.00	0.04
September 13	0	8	0.00	0.04
September 14	0	8	0.00	0.04
September 15	0	8	0.00	0.04
September 16	2	10	0.01	0.05
September 17	0	10	0.00	0.05
September 18	1	11	0.01	0.06
September 19	0	11	0.00	0.06
September 20	0	11	0.00	0.06
September 21	1	12	0.01	0.06
September 22	0	12	0.00	0.06
September 23	0	12	0.00	0.06
September 24	2	14	0.01	0.08
September 25	2	16	0.01	0.09
September 26	3	19	0.02	0.10
September 27	6	25	0.03	0.14
September 28	2	27	0.01	0.15
September 29	4	31	0.02	0.17
September 30	2	33	0.01	0.18

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Appendix Table 129. Daily and cumulative chum salmon counts from Hugh Smith Lake weir, 1984 (continued).

Date	Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
October 1	2	35	0.01	0.19
October 2	2	37	0.01	0.20
October 3	3	40	0.02	0.22
October 4	8	48	0.04	0.26
October 5	4	52	0.02	0.28
October 6	21	73	0.11	0.39
October 7	5	78	0.03	0.42
October 8	9	87	0.05	0.47
October 9	15	102	0.08	0.55
October 10	15	117	0.08	0.63
October 11	13	130	0.07	0.70
October 12	11	141	0.06	0.76
October 13	4	145	0.02	0.78
October 14	7	152	0.04	0.82
October 15	9	161	0.05	0.87
October 16	4	165	0.02	0.89
October 17	5	170	0.03	0.92
October 18	1	171	0.01	0.92
October 19	2	173	0.01	0.94
October 20	2	175	0.01	0.95
October 21	4	179	0.02	0.97
October 22	3	182	0.02	0.98
October 23	0	182	0.00	0.98
October 24	0	182	0.00	0.98
October 25	2	184	0.01	0.99
November 18	1	185	0.01	1.00

Mean Day of Migration = October 7 Variance of Migration = 101.24 Days squared

Appendix Table 130. Daily and cumulative chum salmon weir counts from Crescent Lake weir, 1984.

Date	Daily Count	Cumulative Counts	Daily Proportion of Total	Cumulative Proportion of Total
July 25	1	1	0.00	0.00
July 26	0	1	0.00	0.00
July 27	0	1	0.00	0.00
July 28	0	1	0.00	0.00
July 29	0	1	0.00	0.00
July 30	0	1	0.00	0.00
July 31	2	3	0.00	0.00
August 1	1	4	0.00	0.01
August 2	0	4	0.00	0.01
August 3	0	4	0.00	0.01
August 4	1	5	0.00	0.01
August 5	2	7	0.00	0.01
August 6	1	8	0.00	0.01
August 7	5	13	0.01	0.02
August 8	5	18	0.01	0.03
August 9	3	21	0.00	0.03
August 10	12	33	0.02	0.05
August 11	5	38	0.01	0.06
August 12	3	41	0.00	0.06
August 13	3	44	0.00	0.06
August 14	1	45	0.00	0.07
August 15	12	57	0.02	0.08
August 16	4	61	0.01	0.09
August 17	6	67	0.01	0.10
August 18	25	92	0.04	0.13
August 19	15	107	0.02	0.16
August 20	26	133	0.04	0.19
August 21	15	148	0.02	0.22
August 22	33	181	0.05	0.26
August 23	14	195	0.02	0.28
August 24	42	237	0.06	0.35
August 25	24	261	0.04	0.38
August 26	30	291	0.04	0.42
August 27	0	291	0.00	0.42
August 28	0	291	0.00	0.42
August 29	34	325	0.05	0.47
August 30	41	366	0.06	0.53
August 31	40	406	0.06	0.59
September 1	38	444	0.06	0.65
September 2	20	464	0.03	0.68
September 3	52	516	0.08	0.75
September 4	146	662	0.21	0.97
September 5	0	662	0.00	0.97
September 6	23	685	0.03	1.00

Mean Day of Migration = August 27 Variance of Migration = 61.55 Days squared

Appendix Table 131. Daily and cumulative chum salmon counts from Auke Creek weir, 1984.

Date	Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
August 9	11	11	0.01	0.01
August 10	23	34	0.01	0.02
August 11	26	60	0.01	0.03
August 12	59	119	0.03	0.06
August 13	47	166	0.02	0.09
August 14	88	254	0.05	0.13
August 15	57	311	0.03	0.16
August 16	43	354	0.02	0.18
August 17	23	377	0.01	0.20
August 18	48	425	0.02	0.22
August 19	24	449	0.01	0.23
August 20	95	544	0.05	0.28
August 21	394	938	0.20	0.49
August 22	144	1082	0.07	0.56
August 23	73	1155	0.04	0.60
August 24	168	1323	0.09	0.69
August 25	203	1526	0.11	0.79
August 26	96	1622	0.05	0.84
August 27	55	1677	0.03	0.87
August 28	50	1727	0.03	0.90
August 29	27	1754	0.01	0.91
August 30	37	1791	0.02	0.93
August 31	20	1811	0.01	0.94
September 1	18	1829	0.01	0.95
September 2	8	1837	0.00	0.95
September 3	8	1845	0.00	0.96
September 4	12	1857	0.01	0.96
September 5	11	1868	0.01	0.97
September 6	1	1869	0.00	0.97
September 7	13	1882	0.01	0.98
September 8	7	1889	0.00	0.98
September 9	7	1896	0.00	0.98
September 10	21	1917	0.01	0.99
September 11	1	1918	0.00	1.00
September 12	0	1918	0.00	1.00
September 13	3	1921	0.00	1.00
September 14	1	1922	0.00	1.00
September 15	0	1922	0.00	1.00
September 16	0	1922	0.00	1.00
September 17	0	1922	0.00	1.00
September 18	2	1924	0.00	1.00
September 19	2	1926	0.00	1.00
September 20	1	1927	0.00	1.00

Mean Day of Migration = August 22 Variance of Migration = 37.68 Days squared

Appendix Table 132. Daily and cumulative chum salmon weir counts from Kadashan River weir, 1984.

Date	East Fork		West Fork		East and West Forks Combined			
	Daily Count	Cumulative Count	Daily Count	Cumulative Count	Daily Total	Cumulative Total	Daily Proportion of Total	Cumulative Proportion of Total
June 27	2	2	1	1	3	3	0.00	0.00
June 28	0	2	0	1	0	3	0.00	0.00
June 29	0	2	0	1	0	3	0.00	0.00
June 30	0	2	0	1	0	3	0.00	0.00
July 1	2	4	1	2	3	6	0.00	0.00
July 2	0	4	0	2	0	6	0.00	0.00
July 3	0	4	0	2	0	6	0.00	0.00
July 4	0	4	0	2	0	6	0.00	0.00
July 5	0	4	0	2	0	6	0.00	0.00
July 6	0	4	0	2	0	6	0.00	0.00
July 7	0	4	0	2	0	6	0.00	0.00
July 8	18	22	0	2	18	24	0.00	0.00
July 9	245	267	503	505	748	772	0.01	0.01
July 10	233	500	939	1444	1172	1944	0.02	0.04
July 11	438	938	555	1999	993	2937	0.02	0.06
July 12	403	1341	1347	3346	1750	4687	0.03	0.09
July 13	171	1512	183	3529	354	5041	0.01	0.10
July 14	59	1571	268	3797	327	5368	0.01	0.10
July 15	314	1885	782	4579	1096	6464	0.02	0.12
July 16	0	1885	0	4579	0	6464	0.00	0.12
July 17	487	2372	1563	6142	2050	8514	0.04	0.16
July 18	54	2426	310	6452	364	8878	0.01	0.17
July 19	133	2559	353	6805	486	9364	0.01	0.18
July 20	249	2808	1039	7844	1288	10652	0.02	0.20
July 21	340	3148	1190	9034	1530	12182	0.03	0.23
July 22	430	3578	845	9879	1275	13457	0.02	0.26
July 23	188	3766	1120	10999	1308	14765	0.02	0.28
July 24	352	4118	1376	12375	1728	16493	0.03	0.31
July 25	192	4310	610	12985	802	17295	0.02	0.33
July 26	298	4608	637	13622	935	18230	0.02	0.35
July 27	1883	6491	4208	17830	6091	24321	0.12	0.46
July 28	842	7333	1617	19447	2459	26780	0.05	0.51
July 29	565	7898	1579	21026	2144	28924	0.04	0.55
July 30	2900	10798	4777	25803	7677	36601	0.15	0.70
July 31	164	10962	84	25887	248	36849	0.00	0.70
August 1	366	11328	546	26433	912	37761	0.02	0.72
August 2	49	11377	0	26433	49	37810	0.00	0.72
August 3	36	11413	99	26532	135	37945	0.00	0.72
August 4	1330	12743	1679	28211	3009	40954	0.06	0.78
August 5	364	13107	267	28478	631	41585	0.01	0.79
August 6	405	13512	698	29176	1103	42688	0.02	0.81
August 7	1281	14793	877	30053	2158	44846	0.04	0.85
August 8	2689	17482	2683	32736	5372	50218	0.10	0.96

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Appendix Table 132. Daily and cumulative chum salmon weir counts from Kadashan River weir, 1984 (continued).

Date	East Fork		West Fork		East and West Forks Combined			
	Daily Count	Cumulative Count	Daily Count	Cumulative Count	Daily Total	Cumulative Total	Daily Proportion of Total	Cumulative Proportion of Total
August 9	161	17643	203	32939	364	50582	0.01	0.96
August 10	0	17643	1	32940	1	50583	0.00	0.96
August 11	4	17647	0	32940	4	50587	0.00	0.96
August 12	20	17667	24	32964	44	50631	0.00	0.96
August 13	409	18076	483	33447	892	51523	0.02	0.98
August 14	0	18076	3	33450	3	51526	0.00	0.98
August 15	1	18077	1	33451	2	51528	0.00	0.98
August 16	2	18079	0	33451	2	51530	0.00	0.98
August 17	39	18118	36	33487	75	51605	0.00	0.98
August 18	91	18209	66	33553	157	51762	0.00	0.99
August 19	32	18241	57	33610	89	51851	0.00	0.99
August 20	360	18601	262	33872	622	52473	0.01	1.00
August 21	47	18648	19	33891	66	52539	0.00	1.00

Mean Day of Migration = July 28 Variance of Migration = 82.45 Days squared

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Appendix Table 133. Daily and cumulative chum salmon weir counts from Chilkoot River weir, 1984.

Date	Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
June 29	2	2	0.00	0.00
June 30	1	3	0.00	0.00
July 1	0	3	0.00	0.00
July 2	0	3	0.00	0.00
July 3	1	4	0.00	0.01
July 4	0	4	0.00	0.01
July 5	0	4	0.00	0.01
July 6	1	5	0.00	0.01
July 7	0	5	0.00	0.01
July 8	0	5	0.00	0.01
July 9	2	7	0.00	0.01
July 10	0	7	0.00	0.01
July 11	1	8	0.00	0.01
July 12	0	8	0.00	0.01
July 13	0	8	0.00	0.01
July 14	1	9	0.00	0.01
July 15	1	10	0.00	0.01
July 16	0	10	0.00	0.01
July 17	1	11	0.00	0.02
July 18	0	11	0.00	0.02
July 19	0	11	0.00	0.02
July 20	0	11	0.00	0.02
July 21	8	19	0.01	0.03
July 22	0	19	0.00	0.03
July 23	1	20	0.00	0.03
July 24	0	20	0.00	0.03
July 25	0	20	0.00	0.03
July 26	3	23	0.00	0.03
July 27	2	25	0.00	0.04
July 28	0	25	0.00	0.04
July 29	3	28	0.00	0.04
July 30	3	31	0.00	0.05
July 31	6	37	0.01	0.05
August 1	0	37	0.00	0.05
August 2	1	38	0.00	0.06
August 3	1	39	0.00	0.06
August 4	2	41	0.00	0.06
August 5	0	41	0.00	0.06
August 6	1	42	0.00	0.06
August 7	5	47	0.01	0.07
August 8	0	47	0.00	0.07
August 9	0	47	0.00	0.07
August 10	0	47	0.00	0.07
August 11	0	47	0.00	0.07
August 12	3	50	0.00	0.07
August 13	8	58	0.01	0.08

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Appendix Table 133. Daily and cumulative chum salmon weir counts from Chilkoot River weir, 1984 (continued).

Date	Daily Count	Cumulative Count	Daily Proportion of Total	Cumulative Proportion of Total
August 14	5	63	0.01	0.09
August 15	7	70	0.01	0.10
August 16	3	73	0.00	0.11
August 17	5	78	0.01	0.11
August 18	5	83	0.01	0.12
August 19	9	92	0.01	0.13
August 20	11	103	0.02	0.15
August 21	15	118	0.02	0.17
August 22	3	121	0.00	0.18
August 23	5	126	0.01	0.18
August 24	2	128	0.00	0.19
August 25	11	139	0.02	0.20
August 26	29	168	0.04	0.24
August 27	14	182	0.02	0.26
August 28	5	187	0.01	0.27
August 29	18	205	0.03	0.30
August 30	33	238	0.05	0.35
August 31	7	245	0.01	0.36
September 1	8	253	0.01	0.37
September 2	20	273	0.03	0.40
September 3	30	303	0.04	0.44
September 4	20	323	0.03	0.47
September 5	50	373	0.07	0.54
September 6	35	408	0.05	0.59
September 7	23	431	0.03	0.63
September 8	15	446	0.02	0.65
September 9	59	505	0.09	0.73
September 10	67	572	0.10	0.83
September 11	63	635	0.09	0.92
September 12	53	688	0.08	1.00

Mean Day of Migration = August 31 Variance = 175.45

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